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**UNITED STATES ARMY  
ELECTRONICS COMMAND  
METEOROLOGICAL TEAM DATA**

**EDGEWOOD ARSENAL, MARYLAND**

**DECEMBER 1970**

**METEOROLOGICAL SERVICES TECHNICAL AREA**

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**ATMOSPHERIC SCIENCES LABORATORY  
WHITE SANDS MISSILE RANGE, NEW MEXICO**

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METEOROLOGICAL DATA REPORT  
Atmospheric Sciences Laboratory Meteorological Team

EDGEWOOD ARSENAL, MARYLAND

DECEMBER 1970

Meteorological Data  
furnished by:

U.S. Army Electronics Command  
Atmospheric Sciences Laboratory  
Meteorological Services Technical Area  
White Sands Missile Range, N.M. 88002

INTRODUCTION

This report presents meteorological data as obtained from the processing of information recorded by the U. S. Army Meteorological Teams:

Any correspondence pertaining to processing and/or distribution of the inclosed data should be directed to:

Commanding Officer and Director  
Atmospheric Sciences Laboratory  
U.S. Army Electronics Command  
ATTN: AMSL-BL-11  
White Sands Missile Range, N.M. 88002

GEOGRAPHICAL DATA

	<u>Elevation</u>	<u>Latitude</u>	<u>Longitude</u>
Edgewood	17 ft MSL	39° 23'N	76° 18'W

RAIN GAGE

N



WBGT

DELTA-T  
2M WIND D/S  
SOIL/SURFACE TEMP.

P/K MAST

RUNWAY

270 FT.

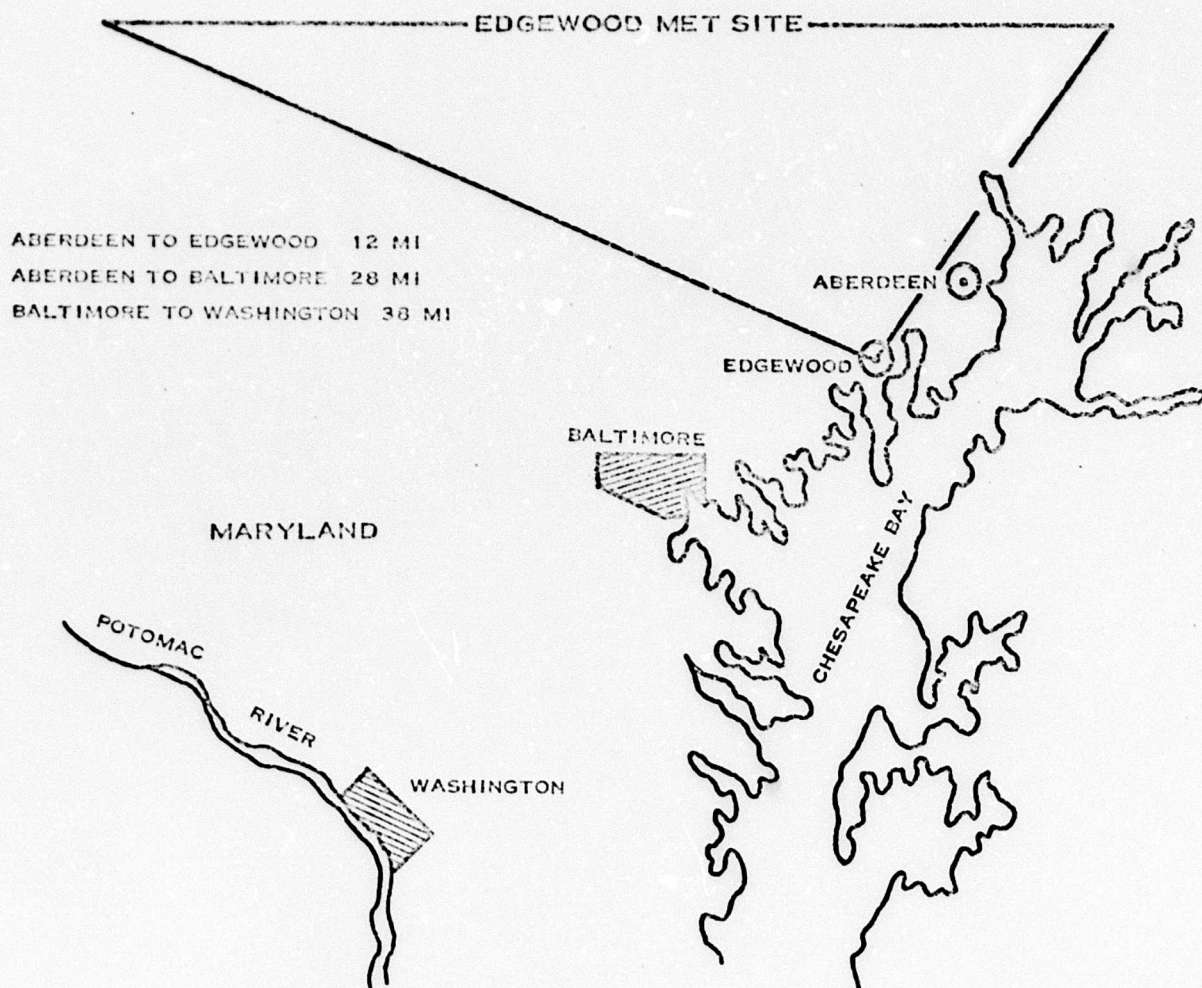
HYGROTHERMOGRAPH  
MAX-MIN-GEN THERM.

INSTR. SHELTER

T/N RADIOMETERS



PYRHELIOMETER





DATA COLLECTION SENSORS

<u>DATA</u>	<u>SENSORS</u>
Precipitation	Weighing-type recording 8" raingage
Station Pressure	Recording microbarograph
Temperature	Recording hygrothermograph
Relative Humidity	
Dew Point	Derived from temperature and relative humidity readings
Wind Direction and Speed	AN/GMR-11
Vertical Eppley Radiation	Eppley pyrheliometer mounted with sensor plate parallel to the horizon
Soil Temperatures	Thermocouple
Temperature Gradient ( $\Delta T$ )	Thermopiles
Wet Bulb Globe Temperatures	Thermocouples
Net Exchange Radiation	Net Exchange radiometer
Total Hemispheric Radiation	Total Hemispheric radiometer

## NATURE OF SURFACE MATERIAL AROUND SENSORS

Edgewood - Generally level terrain, grass-covered

# UNITS OF DATA MEASUREMENT

Units of measurement for data collected by US Army Meteorological Teams that are tabulated for distribution by the Meteorological Support Activity:

<u>Meteorological Element</u>	<u>Unit of Measurement</u>
Precipitation - - - - -	Inches
Pressure- - - - -	Millibars
Temperature - - - - -	Degrees Fahrenheit
Relative Humidity - - - - -	Percent
Wind Direction- - - - -	Sixteen Points of the Compass with reference to true north
Wind Speed- - - - -	Miles per hour
Wind Chill- - - - -	Kilogram calories/M <sup>2</sup> /Hour
Radiation - - - - -	Langleya
Ozone - - - - -	Parts per hundred million
Visibility- - - - -	Horizontal visibility in Statute miles
Sky Cover - - - - -	Tenths of Opaque Overcast
Snow Depth- - - - -	Inches
General Weather - - - - -	Predominant condition

All meteorological elements, except radiation, are tabulated on the 24-hour clock, local standard time. Radiation is tabulated on the 24-hour clock, true solar time.



## EDGEWOOD DECEMBER 1970

1

HOUR	PRECIP	STA PRESS	TEMP	HUMID	DEW PT	- WIND DIRECT	WIND- SPEED	SNOW/SOIL TEMP	DELTA T
1	0.	1025.2	35	99	35	NE	1	34.6	3.8
2	0.	1025.7	34	99	33		C	34.7	4.5
3	0.	1026.1	34	99	33		C	34.9	2.6
4	0.	1026.3	35	99	34		C	35.1	4.4
5	0.	1026.4	34	99	34		C	37.2	2.0
6	0.	1026.4	35	99	35		C	37.2	2.2
7	0.	1026.7	33	99	33		C	34.8	4.1
8	0.	1027.9	36	99	36		C	36.5	.7
9	0.	1027.8	43	63	32	ENE	1	43.3	-1.6
10	0.	1027.9	47	59	33	ENE	2	47.9	-2.2
11	0.	1027.4	49	60	35	ESE	1	52.2	-2.2
12	0.	1026.4	49	62	36	SSE	4	54.5	-2.2
13	0.	1026.0	48	65	37	S	4	51.8	-1.3
14	0.	1025.5	48	64	36	SW	4	50.8	-1.0
15	0.	1025.0	48	65	36	SSW	3	48.4	-.4
16	0.	1024.3	48	69	38	SSW	3	46.5	.4
17	0.	1024.1	45	76	38	SSW	1	42.7	2.3
18	0.	1023.7	44	82	38	S	1	40.9	3.6
19	0.	1023.2	44	88	41	SSE	1	42.3	2.1
20	0.	1022.8	45	91	42	SSE	2	41.5	2.5
21	0.	1022.8	48	93	46	SSW	3	44.3	.3
22	0.	1022.7	48	96	47	SSW	7	45.3	.2
23	0.	1022.5	48	99	48	SSW	6	44.4	.2
24	0.	1022.0	47	99	47	SSW	7	44.1	.3
TOT	0.00						51		
AVE		1025.2	43	84	38	SSW	2	42.7	1.1
MAX		1027.9	49	99	48		7	54.5	4.5
MIN		1022.0	33	59	32		0	34.6	-2.2

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# EDGEWOOD DECEMBER 1970

1				
HOUR	VERT RAD	NET RAD	TOT RAD	
1	0	-4	22	
2	0	-4	23	
3	0	-3	24	
4	0	-4	22	
5	0	-1	25	
6	0	-1	25	
7	0	-3	23	
8	3	-3	24	
9	12	2	34	
10	24	8	48	
11	33	14	57	
12	39	18	62	
13	26	13	50	
14	20	10	45	
15	13	5	38	
16	10	3	36	
17	2	-3	27	
18	0	-2	26	
19	0	-1	27	
20	0	-3	25	
21	0	-1	27	
22	0	0	30	
23	0	-1	30	
24	0	-2	29	
TOT	182	37	779	
AVE				
MAX				
MIN				



## EDGEWOOD DECEMBER 1970

2

HOUR	PRECIP	STA PRESS	TEMP	HUMID	DEW PT	WIND DIR	WIND SPEED	SNOW/SOIL TEMP	DELTA T
1	0.	1021.3	47	98	47	SSW	5	43.9	.5
2	0.	1020.8	48	99	47	SSW	7	45.0	.3
3	0.	1020.6	48	99	47	SSW	7	44.3	.4
4	0.	1020.2	46	99	46	SSW	6	44.2	.6
5	0.	1020.4	45	99	45	SW	3	43.1	1.0
6	0.	1020.5	45	99	44	SSW	2	42.2	2.0
7	0.	1020.6	44	99	44	SSW	2	41.5	1.3
8	0.	1021.1	44	99	44		C	42.0	1.2
9	0.	1021.4	49	93	47	SW	1	47.3	-1.3
10	0.	1021.7	51	79	45	SSW	1	51.5	-2.1
11	0.	1021.4	55	68	45	SSW	1	56.2	-2.1
12	0.	1021.2	57	66	46	SW	2	58.7	-2.4
13	0.	1020.8	59	64	47	SW	4	58.7	-1.9
14	0.	1020.6	59	64	47	WSW	4	58.7	-1.7
15	0.	1020.8	60	62	47	WSW	3	56.3	-1.6
16	0.	1021.0	62	60	48	WSW	1	51.0	-1.7
17	0.	1021.3	54	77	47		C	43.7	6.1
18	0.	1021.4	47	91	44		C	41.6	7.5
19	0.	1022.1	45	99	44		C	39.9	4.7
20	0.	1022.8	42	99	42		C	38.3	6.2
21	0.	1023.3	39	99	39		C	36.6	4.3
22	0.	1023.6	37	99	37		C	36.7	4.2
23	0.	1024.2	37	99	37		C	36.4	5.9
24	0.	1024.2	36	99	36		C	36.2	3.6
TOT	0.00						49		
AVF		1021.6	48	88	44	SSW	2	45.6	1.5
MAX		1024.2	62	99	48		7	58.7	7.5
MIN		1020.2	36	60	36		0	36.2	-2.4

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EUGENEWOOD DECEMBER 1970

2

HOUR	VERT RAD	NET RAD	TOT RAD
1	0	-4	25
2	0	-3	27
3	0	-3	27
4	0	-3	24
5	0	-3	27
6	0	-4	26
7	0	-4	25
8	1	-2	25
9	10	2	35
10	21	6	47
11	30	13	55
12	36	15	60
13	36	14	60
14	32	11	55
15	25	6	49
16	13	0	39
17	2	-3	27
18	0	-3	25
19	0	-3	25
20	0	-4	24
21	0	-3	23
22	0	-3	23
23	0	-4	23
24	0	-3	25
TOT	206	17	897
AVG			
MAX			
STP			

EDGEWOOD DECEMBER 1970

3

MOON	PRECIP	STA PRESS	TEMP	HUMID	DEW PT	WIND DIR	WIND SPEED	SNOW/SOIL TEMP	DELTA T
1	0.	1024.0	36	98	36		C	35.8	3.8
2	0.	1024.2	35	98	35		C	35.6	4.2
3	0.	1024.3	34	97	32	W	1	36.7	7.1
4	0.	1024.2	37	97	34	S	1	36.2	4.3
5	0.	1024.3	35	98	35		C	36.7	3.8
6	0.	1024.5	35	98	34		C	36.2	4.4
7	0.	1024.7	34	99	34		C	36.4	2.5
8	0.	1024.9	35	98	35		C	36.7	2.9
9	0.	1025.0	44	95	43		C	43.8	-7
10	0.	1025.2	52	56	37		C	49.2	-1.2
11	0.	1024.4	56	46	35	S	1	54.2	-1.6
12	0.	1023.6	58	50	40	SW	1	56.1	-1.5
13	0.	1021.6	53	42	35	SSW	3	54.6	-1.8
14	0.	1020.1	57	50	38	SE	1	53.8	-1.6
15	T	1019.6	56	68	45	SE	1	50.2	0
16	.01	1019.0	54	99	52		C	49.4	1.4
17	T	1017.9	52	99	52		C	48.8	1.6
18	.01	1016.4	53	79	46	SE	2	48.2	1.8
19	0.	1015.4	54	79	45	SSW	2	47.5	1.7
20	0.	1014.4	52	85	47	SE	1	47.1	1.8
21	0.	1013.0	52	89	49	SSW	1	47.7	1.5
22	0.	1011.2	53	86	49	SSW	3	48.0	1.6
23	0.	1009.6	53	98	52	SSW	4	47.2	1.6
24	0.	1007.5	52	98	51	SSW	4	47.1	1.4
TOT	.02						26		
AVE		1020.0	47	83	41	SSW	1	45.1	1.5
MAX		1025.2	58	99	54		4	56.1	7.1
MIN		1007.5	34	42	32		0	35.6	-1.6

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# EDGEWOOD DECEMBER 1970

3

HOUP	VERT RAD	NET RAD	TOT RAD
1	0	-3	24
2	0	-3	24
3	0	-3	24
4	0	-3	24
5	0	-2	25
6	0	-3	25
7	0	-2	25
8	1	-2	26
9	10	3	35
10	21	7	45
11	32	13	57
12	32	14	61
13	23	12	51
14	13	7	42
15	6	3	37
16	2	-23	11
17	1	-14	16
18	0	-6	26
19	0	0	29
20	0	0	30
21	0	-2	29
22	0	-1	30
23	0	-2	30
24	0	-3	29
TOT	141	-13	755
AVE			
MAX			
MIN			

## EDGEWOOD DECEMBER 1970

4

HOUR	PRECIP	STA PRESS	TEMP	HUMID	DEW PT	- WIND DIRECT	WIND- SPEED	SNOW/SOIL TEMP	DELTA T
1	0.	1004.6	55	81	50	SSW	7	48.6	.5
2	0.	1002.7	55	85	50	SSW	10	48.1	.7
3	0.	1000.4	54	89	51	SSW	8	47.4	1.0
4	0.	999.4	57	82	51	SSW	5	49.3	.4
5	0.	1001.0	59	84	54	W	7	51.2	.8
6	0.	1000.1	57	69	47	W	9	49.1	1.0
7	0.	999.8	55	74	47	WSW	6	46.6	1.7
8	0.	999.9	56	71	46	W	6	47.6	.5
9	0.	1000.4	59	30	27	W	11	47.9	.6
10	0.	1001.4	60	27	26	NW	15	50.8	-.2
11	0.	1001.6	59	30	27	WNW	21	53.7	-1.0
12	0.	1002.0	57	36	30	W	14	53.8	-.5
13	0.	1004.0	52	41	30	WNW	16	49.7	-.3
14	0.	1005.1	52	41	29	WNW	13	47.5	-.1
15	0.	1006.3	49	43	28	WNW	17	45.3	.1
16	0.	1007.9	48	45	28	NW	15	43.5	.3
17	0.	1009.6	46	50	29	NW	12	42.8	.1
18	0.	1011.0	46	52	29	NW	10	42.6	0.0
19	0.	1013.5	44	56	30	NW	10	40.6	.5
20	0.	1015.1	43	60	30	NW	11	38.7	.7
21	0.	1016.5	40	59	27	N	14	36.9	.8
22	0.	1018.7	38	61	25	NNW	8	35.6	1.3
23	0.	1019.4	36	65	26	NW	5	34.5	1.3
24	0.	1019.9	35	63	24	NNW	6	33.5	1.0
TOT	0.00						258		
AVE		1006.7	50	58	35	NW	11	45.2	.5
MAX		1019.9	60	89	54		21	53.8	1.7
MTN		999.4	35	27	24		5	33.5	-1.0

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# EDGEWOOD DECEMBER 1970

4

HOUP	VERT RAD	NET RAD	TOT RAD
1	0	-2	29
2	0	-4	24
3	0	-5	27
4	0	-1	30
5	0	-5	27
6	0	-6	27
7	0	-7	27
8	2	-6	25
9	12	-1	35
10	25	7	46
11	35	13	52
12	39	16	60
13	22	13	48
14	8	3	36
15	15	6	41
16	5	1	31
17	1	-3	26
18	0	-2	26
19	0	-2	26
20	0	-6	23
21	0	-8	20
22	0	-8	20
23	0	-8	19
24	0	-9	18
TOT	164	-24	747
AVF			
MAX			
MIN			



## EDGEWOOD DECEMBER 1970

5

STATION	PRECIP	STATION PRESS	TEMP	HUMID	DEW PT	DIRECT WIND	WIND SPEED	SNOW/SOIL	TEMP	DELTA T
1	0.	1020.4	33	66	23	NW	7	32.9	32.9	1.1
2	0.	1020.8	31	73	23	NNW	3	32.2	32.2	2.8
3	0.	1022.1	31	72	23	NNW	3	31.6	31.6	1.8
4	0.	1022.9	30	74	23	NW	1	30.5	30.5	3.1
5	0.	1022.7	25	91	23	C	C	28.0	28.0	4.7
6	0.	1022.9	23	95	22	C	C	27.8	27.8	3.6
7	0.	1023.7	26	97	26	C	C	28.2	28.2	4.2
8	0.	1023.8	30	96	29	C	C	32.9	32.9	3
9	0.	1023.5	35	70	26	C	C	36.6	36.6	-7
10	0.	1023.2	37	63	26	NW	1	42.5	42.5	-2.0
11	0.	1022.4	38	60	26	NNW	2	46.6	46.6	-2.1
12	0.	1020.5	40	58	26	WSW	3	48.4	48.4	-2.3
13	0.	1019.0	40	61	27	SSW	3	48.4	48.4	-2.1
14	0.	1018.0	40	62	29	S	4	48.5	48.5	-2.1
15	0.	1017.2	40	62	28	S	6	44.3	44.3	-9
16	0.	1016.3	39	70	31	S	7	41.3	41.3	4
17	0.	1014.7	39	73	31	S	4	39.3	39.3	1.0
18	0.	1013.0	43	77	36	SSW	5	39.8	39.8	2
19	0.	1012.3	43	90	40	SSW	10	40.7	40.7	0.0
20	0.	1010.9	43	67	33	SSW	8	40.9	40.9	1
21	0.	1009.9	43	65	32	SSW	7	40.7	40.7	2
22	0.	1008.3	43	68	33	SSW	5	41.0	41.0	2
23	0.	1007.0	42	64	31	WSW	3	40.6	40.6	2
24	0.	1006.2	40	70	31	WSW	2	37.6	37.6	2.1
TOT	0.00						84			
AVE		1017.6	36	73	28	SSW	4	38.4	38.4	6
MAX		1023.8	43	97	40		10	48.5	48.5	4.7
MIN		1006.2	23	58	22		0	27.8	27.8	-2.3

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# EDGEWOOD DECEMBER 1970

5

HOUP	VERT RAD	NET RAD	TOT RAD
1	0	-7	19
2	0	-8	18
3	0	-7	19
4	0	-6	19
5	0	-6	19
6	0	-6	20
7	0	-5	19
8	5	-3	23
9	10	1	31
10	20	7	41
11	27	11	48
12	26	11	48
13	35	16	57
14	20	7	43
15	18	5	41
16	11	1	33
17	1	-2	25
18	0	-3	26
19	0	-2	27
20	0	-1	28
21	0	-1	28
22	0	-1	27
23	0	-1	27
24	0	-2	25
TOT	173	-2	711
AVE			
MAX			
MIN			

## EDGEWOOD DECEMBER 1970

6

HOUR	STA PRECIP PRESS	TEMP	HUMID PT	DEW - PT	WIND DIRECT	WIND- SPEED	SNOW/SOIL TEMP	DELTA T
1	0.	1005.6	44	58	30	WSW	2	36.2
2	0.	1006.2	43	48	25	WNW	11	38.6
3	0.	1006.5	41	48	23	WNW	13	36.3
4	0.	1007.0	40	47	21	WNW	17	36.0
5	0.	1008.2	36	47	18	NW	16	33.2
6	0.	1010.1	30	49	13	NW	13	30.9
7	0.	1011.1	28	44	9	NW	19	28.2
8	0.	1012.2	29	46	10	NW	15	28.8
9	0.	1012.6	30	46	12	NW	15	31.1
10	0.	1013.0	31	46	13	NW	17	34.3
11	0.	1013.1	32	43	12	NW	19	37.2
12	0.	1012.2	33	42	13	NW	18	39.3
13	0.	1012.2	34	41	13	NW	19	38.3
14	0.	1012.3	34	40	13	NW	16	38.0
15	0.	1012.8	33	42	12	NW	18	35.1
16	0.	1013.5	32	45	13	NW	17	31.4
17	0.	1014.2	31	47	13	NW	14	29.5
18	0.	1015.0	31	48	13	NW	11	29.2
19	0.	1015.6	31	51	15	NW	13	28.8
20	0.	1015.8	31	53	16	NW	12	29.1
21	0.	1016.7	32	53	17	NW	8	30.9
22	0.	1017.7	33	52	17	NW	10	31.7
23	0.	1018.3	32	51	16	NW	9	31.6
24	0.	1018.9	32	52	16	NW	12	31.6
TOT	0.00						334	
AVE		1012.5	33	47	16	NW	14	33.1
MAX		1018.9	44	58	30		19	39.3
MIN		1005.6	28	40	9		2	28.2

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# EDGEWOOD DECEMBER 1970

6

HOOR	VERT RAD	NET RAD	TOT RAD
1	0	-5	22
2	0	-6	23
3	0	-8	21
4	0	-6	22
5	0	-8	18
6	0	-6	20
7	0	-8	17
8	2	-8	18
9	13	-2	29
10	26	5	40
11	35	13	46
12	40	16	54
13	41	15	54
14	35	12	50
15	25	5	41
16	13	-2	30
17	2	-7	19
18	0	-8	18
19	0	-7	18
20	0	-7	18
21	0	-6	19
22	0	-4	23
23	0	-3	24
24	0	-3	24
TOT	232	-38	670
AVE			
MAX			
MIN			

## EDGEWOOD DECEMBER 1970

7

HOUR	STA PRECIP PRESS	TEMP	HUMID PT	DEW - DIRECT	WIND- SPEED	SNOW/SOIL TEMP	DELTA T
1	0.	31	54	16	NNW	10	32.0
2	0.	30	51	14	NNW	8	30.7
3	0.	29	53	14	NNW	7	29.9
4	0.	28	55	14	NNW	6	27.5
5	0.	28	56	14	NNW	4	26.6
6	0.	27	59	15	NNW	3	26.0
7	0.	27	58	14	NW	6	26.1
8	0.	28	58	15	NW	4	28.5
9	0.	30	50	13	NW	5	32.4
10	0.	31	48	14	NNW	9	35.7
11	0.	33	44	14	NNW	11	40.8
12	0.	35	42	14	NNW	11	43.4
13	0.	36	41	15	NNW	12	44.7
14	0.	37	40	15	NNW	9	44.0
15	0.	38	39	15	NNW	7	38.8
16	0.	38	40	16	NNW	8	34.4
17	0.	35	42	14	NNW	5	29.9
18	0.	30	44	10	NNW	2	27.1
19	0.	28	47	10	NW	1	24.0
20	0.	26	49	10	NW	1	25.2
21	0.	21	53	7	NW	1	25.4
22	0.	18	63	8	C	C	24.4
23	0.	17	80	12	C	C	23.5
24	0.	16	90	14	C	C	23.5
TOT	0.00					130	
AVE	1025.5	29	52	13	NNW	5	31.0
MAX	1030.6	38	90	16		12	44.7
MIN	1019.1	16	39	7		0	23.5
							-2.3

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# EDGEWOOD DECEMBER 1970

7

HOUR	VERT RAD	NET RAD	TOT RAD
1	0	-2	24
2	0	-3	24
3	0	-6	20
4	0	-6	19
5	0	-7	17
6	0	-7	17
7	0	-7	19
8	2	-7	21
9	13	-1	31
10	26	7	42
11	36	13	52
12	41	16	58
13	41	16	58
14	36	13	54
15	27	6	45
16	13	-2	31
17	2	-7	19
18	0	-7	18
19	0	-6	18
20	0	-6	17
21	0	-6	17
22	0	-6	18
23	0	-5	17
24	0	-5	18
TOT	237	-25	674
AVE			
MAX			
MIN			



# EDGEWOOD DECEMBER 1970

8

HOUR	PRECIP	STA PRESS	TEMP	HUMID	DEW PT	WIND DIR	WIND SPEED	SNOW/SOIL	TEMP	DELTA T
1	0.	1030.5	16	92	14		C		23.8	2.4
2	0.	1030.8	16	92	14		C		23.8	3.5
3	0.	1030.7	15	92	14		C		24.0	2.8
4	0.	1030.3	15	92	14		C		24.4	1.8
5	0.	1030.8	16	92	14		C		25.0	1.8
6	0.	1031.1	16	92	14		C		25.9	.8
7	0.	1031.1	18	93	17		C		26.6	1.4
8	0.	1031.2	21	94	19		C		27.5	.6
9	0.	1031.1	23	88	19		C		30.5	-.5
10	0.	1031.3	26	79	21		C		32.9	-1.3
11	0.	1030.1	31	58	18	SSW	4		40.2	-2.2
12	0.	1028.9	33	53	18	SSW	9		39.7	-1.5
13	0.	1028.2	34	47	16	SSW	9		39.7	-1.2
14	0.	1026.9	34	47	16	SSW	7		41.0	-1.5
15	0.	1026.7	36	45	17	SSW	8		38.6	-1.2
16	0.	1026.4	37	47	18	SSW	6		34.9	-.5
17	0.	1026.3	37	49	19	SSW	5		32.0	.7
18	0.	1026.3	35	51	19	SSW	5		31.3	1.0
19	0.	1026.4	35	54	20	SSW	4		31.1	1.2
20	0.	1026.6	35	55	20	SSW	4		31.1	1.1
21	0.	1025.2	35	54	21	SSW	5		32.8	.5
22	0.	1025.8	36	56	22	SSW	5		31.9	.7
23	0.	1025.6	36	60	23	SSW	4		32.6	.9
24	0.	1024.9	35	62	23	SSW	4		32.6	.4
TOT	0.00						79			
AVE		1028.5	28	68	18	SSW	3		31.4	.5
MAX		1031.3	37	94	23		9		41.0	3.5
MIN		1024.9	15	45	14		0		23.8	-2.2

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# EDGEWOOD DECEMBER 1970

8	VERT	NET	TOT
HOUP	RAD	RAD	RAD
1	0	-5	18
2	0	-5	18
3	0	-4	18
4	0	-5	17
5	0	-5	19
6	0	-4	21
7	0	-3	21
8	1	-3	21
9	8	1	39
10	13	6	37
11	29	12	50
12	38	16	54
13	21	13	45
14	16	9	40
15	20	7	42
16	9	1	32
17	2	-4	24
18	0	-6	21
19	0	-5	21
20	0	-6	21
21	0	-5	22
22	0	-5	21
23	0	-4	24
24	0	-5	23
TOT	157	-9	660
AVE			
MAX			
MIN			



## EDGEWOOD DECEMBER 1970

9

HOUR	PRECIP	STA PRESS	TEMP	HUMID	DEW PT	WIND DIREC	WIND- SPEED	SNOW/SOIL TEMP	DELTA T
1	0.	1024.0	36	56	22	SSW	7	33.2	.3
2	0.	1023.8	37	57	23	SSW	6	33.0	.6
3	0.	1022.9	36	56	22	SSW	6	32.3	.8
4	0.	1022.1	36	56	21	SSW	7	32.5	.6
5	0.	1022.0	36	58	23	SSW	5	32.7	.7
6	0.	1021.8	36	56	22	SSW	6	32.3	.7
7	0.	1021.6	37	58	24	SSW	5	33.5	.3
8	0.	1021.6	36	56	22	SSW	5	34.4	0.0
9	0.	1021.3	38	56	24	SSW	4	37.3	-.4
10	0.	1021.2	39	52	23	SSW	4	40.6	-2.0
11	0.	1020.2	40	47	21	SSW	5	47.7	-2.2
12	0.	1019.2	42	44	22	SSW	6	48.8	-1.7
13	0.	1018.0	43	42	22	SSW	5	50.6	-1.3
14	0.	1017.1	45	51	28	SSW	4	42.3	-.2
15	0.	1016.2	46	55	31	SSW	5	44.0	-.2
16	0.	1016.5	46	58	32	SSW	2	42.8	0.0
17	0.	1016.6	47	63	35	SSW	1	41.1	1.7
18	0.	1016.7	46	72	38		C	41.2	.9
19	0.	1016.5	45	76	38		C	41.1	1.2
20	0.	1016.7	43	76	36		C	40.8	.9
21	0.	1017.0	43	73	35		C	41.0	1.3
22	0.	1017.2	44	67	34		C	36.8	3.2
23	0.	1017.0	44	79	38		C	33.8	6.0
24	0.	1017.1	38	92	36		C	32.8	4.2
TOT	0.00						85		
AVE		1019.3	41	61	28	SSW	4	38.6	.6
MAX		1024.0	47	92	38		7	50.6	6.0
MIN		1016.2	36	42	21		0	32.3	-2.2

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# EDGEWOOD DECEMBER 1970

9

HOUR	VERT RAD	NET RAD	TOT RAD
1	0	-3	23
2	0	-3	24
3	0	-5	21
4	0	-5	22
5	0	-5	22
6	0	-5	23
7	0	-4	24
8	1	-2	26
9	6	2	31
10	16	5	38
11	27	12	50
12	28	13	50
13	31	14	54
14	10	3	33
15	13	3	34
16	2	2	33
17	1	0	30
18	0	0	30
19	0	0	29
20	0	-1	29
21	0	0	29
22	0	-1	29
23	0	-3	24
24	0	-2	24
TOT	135	15	732
AVE			
MAX			
MIN			

## EDGEWOOD DECEMBER 1970

10

HOUR	PRECIP	STA PRESS	TEMP	HUMID PT	DEW PT	WIND DIRECT	WIND- SPEED	SNOW/SOIL TEMP	DELTA T
1	0.	1017.0	34	100	34		C	36.9	3.9
2	0.	1017.2	36	90	34		C	39.3	1.1
3	0.	1017.4	39	84	34		C	39.2	2.1
4	0.	1017.5	40	87	36		C	34.7	7.2
5	0.	1017.9	39	95	38		C	32.9	5.6
6	0.	1018.9	33	100	33		C	32.3	6.4
7	0.	1019.5	35	100	35		C	31.5	4.1
8	0.	1020.6	35	100	35		C	33.5	4.5
9	0.	1021.3	40	53	25	NNW	3	41.8	-1.3
10	0.	1021.8	45	47	26	NNW	6	46.1	-1.0
11	0.	1022.5	49	44	28	NNW	9	51.7	-1.7
12	0.	1022.2	52	42	29	NNW	9	53.9	-1.9
13	0.	1022.2	53	39	29	NNW	9	53.8	-1.4
14	0.	1022.0	54	41	31	NNW	7	47.9	.1
15	0.	1022.3	55	40	31	NNW	6	47.6	-1.2
16	0.	1022.8	53	47	33	N	6	42.4	1.1
17	0.	1022.9	52	51	35	NNE	4	39.7	2.1
18	0.	1022.9	50	54	34	NNE	2	38.8	2.7
19	0.	1023.8	46	62	34	NNE	1	37.3	5.2
20	0.	1024.1	43	74	35		C	34.4	4.4
21	0.	1024.1	38	83	33		C	33.0	5.7
22	0.	1023.9	34	92	32		C	32.8	3.0
23	0.	1024.1	32	97	31		C	31.1	3.1
24	0.	1024.2	29	98	28		C	30.4	3.6
TOT	0.00						62		
AVE		1021.4	42	72	32	NNW	3	39.3	2.5
MAX		1024.2	55	100	38		9	53.9	7.2
MIN		1017.0	29	39	25		0	30.4	-1.9

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# EDGEWOOD DECEMBER 1970

10

HOUR	VERT RAD	NET RAD	TOT RAD
1	0	-2	27
2	0	0	30
3	0	-1	29
4	0	-1	28
5	0	-3	25
6	0	-3	24
7	0	-4	24
8	1	-3	25
9	10	0	35
10	19	6	43
11	31	12	56
12	35	15	59
13	36	15	59
14	17	5	40
15	15	4	38
16	7	-1	32
17	1	-3	27
18	0	-3	26
19	0	-2	26
20	0	-2	25
21	0	-2	24
22	0	-2	25
23	0	-2	23
24	0	-3	23
TOT	172	20	773
AVE			
MAX			
MIN			

# EDGEWOOD DECEMBER 1970

11

HOUR	PRECIP	STA PRESS	TEMP	HUMID	DEW PT	DIR	WIND	WIND- SPEED	SNOW/SOIL	TEMP	DELTA T
1	0.	1024.0	29	98	28			C		30.3	5.2
2	0.	1024.0	28	98	28			C		32.0	2.6
3	0.	1023.7	29	98	28			C		32.0	2.4
4	0.	1023.2	27	97	26			C		29.0	3.9
5	0.	1023.2	29	98	28			C		30.9	2.0
6	0.	1023.2	31	99	30	NE		1		32.8	2.2
7	0.	1023.0	32	96	31	ENE		1		34.3	.9
8	0.	1022.7	34	93	33	ENE		1		37.3	.2
9	0.	1022.5	35	81	30	ENE		2		38.5	.3
10	0.	1022.3	36	77	30	E		2		38.8	.4
11	0.	1021.6	38	74	30	E		4		43.1	-1.5
12	0.	1020.3	38	71	30	E		4		45.4	-1.9
13	T	1019.4	40	67	30	E		4		44.6	-1.4
14	0.	1018.3	41	67	31	E		4		43.2	.8
15	0.	1017.7	42	72	33	ENE		3		42.5	.7
16	0.	1017.7	41	77	35	ENE		2		41.0	.2
17	0.	1016.9	41	100	41	ENE		2		40.1	0.0
18	0.	1016.6	40	100	40	NE		1		40.2	.1
19	0.	1016.4	39	100	39	NE		3		39.5	.1
20	0.	1016.0	39	100	39	NE		3		39.5	.2
21	0.	1015.5	38	100	38	NE		3		39.4	.1
22	0.	1015.0	39	100	39	NE		2		39.7	0.0
23	0.	1014.4	39	100	39	NE		2		39.6	0.0
24	0.	1014.0	40	100	40	NE		2		39.7	.1
TOT	T							46			
AVF		1019.6	36	90	33	NE		2		38.1	.5
MAX		1024.0	42	100	41			4		45.4	5.2
MIN		1014.0	27	67	26			0		29.0	-1.9

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# EDGEWOOD DECEMBER 1970

11

HOUR	VERT RAD	NET RAD	TOT RAD
1	0	-2	23
2	0	-2	24
3	0	-2	25
4	0	-3	24
5	0	-2	23
6	0	-1	25
7	0	-1	26
8	1	0	29
9	2	0	30
10	3	2	31
11	8	4	35
12	17	9	44
13	16	8	43
14	10	5	38
15	5	2	33
16	3	1	31
17	1	-4	25
18	0	-9	20
19	0	-2	28
20	0	-1	29
21	0	-2	28
22	0	0	29
23	0	-1	27
24	0	0	27
TOT	66	-1	697
AVE			
MAX			
MIN			



## EDGEWOOD DECEMBER 1970

12

HOUR	PRECIP	STA PRESS	TEMP	HUMID	DEW PT	- WIND DIRECI	WIND- SPEED	SNOW/SOIL TEMP	DELTA T
1	0.	1013.7	41	99	41	NNE	3	40.4	-.1
2	0.	1013.3	42	99	42	ENE	4	41.0	-.1
3	0.	1013.4	42	99	42	NE	5	40.5	-.2
4	0.	1013.3	40	100	40	ENE	5	39.7	-.3
5	0.	1013.3	38	100	38	ENE	6	39.0	-.3
6	0.	1013.5	38	100	38	NE	6	39.2	-.2
7	.03	1013.3	39	100	39	ENE	8	38.9	-.2
8	.12	1013.3	39	100	39	ENE	6	39.1	-.2
9	.09	1013.8	39	100	39	NE	4	39.5	-.3
10	.10	1013.3	40	100	40	ENE	8	39.9	-.4
11	.07	1012.7	39	100	39	ENE	8	39.8	-.7
12	0.	1012.2	39	100	39	ENE	5	40.1	-.7
13	0.	1010.5	39	100	39	ENE	7	40.4	-.6
14	0.	1009.9	39	100	39	ENE	6	40.6	-.6
15	0.	1009.6	40	100	40	ENE	7	40.3	-.5
16	0.	1009.8	41	100	41	ENE	7	40.3	-.4
17	.01	1009.6	41	100	41	ENE	6	40.9	-.3
18	.01	1010.0	42	100	42	NE	5	41.3	-.5
19	T	1010.4	43	100	43	NNE	5	41.3	-.6
20	0.	1010.7	42	100	42	N	4	40.9	-.6
21	0.	1011.2	41	100	41	NNE	5	40.7	-.6
22	0.	1011.3	40	100	40	NNE	6	40.5	-.5
23	0.	1011.6	40	100	40	NNE	4	40.5	-.5
24	0.	1012.1	40	100	40	NNE	3	40.4	-.5
TOT	.43						134		
AVF		1011.9	40	100	40	ENE	6	40.2	-.4
MAX		1013.8	43	100	43		8	41.3	NONE
MIN		1009.6	38	99	38		3	38.9	-.7

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# EDGEWOOD DECEMBER 1970

12

VERT	NET	TOT	VERT	NET	TOT	VERT	NET	TOT
HOUR	RAD	RAD	HOUR	RAD	RAD	HOUR	RAD	RAD
1	0	30	1	0	30	1	0	30
2	0	30	2	0	30	2	0	30
3	0	31	3	0	31	3	0	31
4	0	29	4	0	29	4	0	29
5	0	28	5	0	28	5	0	28
6	0	29	6	0	29	6	0	29
7	0	29	7	0	29	7	0	29
8	0	28	8	0	28	8	0	28
9	0	24	9	-1	24	9	-1	24
10	0	24	10	-4	24	10	-4	24
11	1	24	11	-2	24	11	-2	24
12	3	24	12	-2	24	12	-2	24
13	3	24	13	-3	24	13	-3	24
14	2	27	14	-3	27	14	-3	27
15	2	31	15	0	31	15	0	31
16	1	29	16	0	29	16	0	29
17	0	26	17	-4	26	17	-4	26
18	0	24	18	-6	24	18	-6	24
19	0	23	19	-5	23	19	-5	23
20	0	26	20	-6	26	20	-6	26
21	0	29	21	-4	29	21	-4	29
22	0	29	22	0	29	22	0	29
23	0	29	23	0	29	23	0	29
24	0	29	24	0	29	24	0	29
TOT	15	656	TOT	-42	656	TOT	-42	656
AVE			AVE			AVE		
MAX			MAX			MAX		
MIN			MIN			MIN		

# EDGEWOOD DECEMBER 1970

13

HOUP	PRECIP	STA PRESS	TEMP	HUMID	DEW PT	- WIND DIRECT	WIND- SPEED	SNOW/SOIL TEMP	DELTA T
1	0.	1012.3	40	100	40	NNE	4	40.1	-5
2	0.	1012.7	39	100	39	NNE	2	40.2	-4
3	0.	1013.1	39	100	39	NNE	3	40.0	-5
4	0.	1013.2	39	100	39	NNE	2	40.0	-5
5	0.	1013.3	39	100	39	NNE	2	39.4	-6
6	0.	1013.3	39	100	39	NNE	1	39.7	-5
7	0.	1013.6	39	100	39	ENE	1	39.7	-6
8	0.	1013.7	38	100	38	ENE	1	39.8	-6
9	0.	1013.8	39	96	38		C	43.5	-1.2
10	0.	1014.4	39	97	38		C	43.0	-1.3
11	0.	1014.6	40	98	40	SSW	1	44.0	-1.2
12	0.	1013.8	41	100	41	WSW	1	43.9	-1.2
13	0.	1013.4	41	100	41	S	3	43.9	-9
14	0.	1012.7	41	100	41	SSW	3	43.5	-7
15	0.	1012.9	42	94	40	SSW	3	43.7	-5
16	0.	1013.0	44	96	43	SSW	3	41.9	-1
17	0.	1013.3	44	98	43	SSW	2	41.5	0.0
18	0.	1013.7	44	53	28	W	2	38.3	1.8
19	0.	1014.5	43	55	27	WNW	5	36.5	2.1
20	0.	1015.1	44	60	31	WNW	3	35.6	2.2
21	0.	1015.3	43	58	29	W	3	35.5	1.1
22	0.	1015.7	41	60	28	W	5	35.0	1.9
23	0.	1015.9	40	58	27	W	2	37.7	.7
24	0.	1016.3	41	60	28	WSW	2	37.3	.8
TOT	0.00						54		
AVE		1013.9	41	87	36	NNE	2	40.2	-0.0
MAX		1016.3	44	100	43		5	44.0	2.2
MIN		1012.3	38	53	27		0	35.0	-1.3

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# EDGEWOOD DECEMBER 1970

13

HOUR	VERT RAD	NET RAD	TOT RAD
1	0	0	29
2	0	0	29
3	0	0	28
4	0	0	29
5	0	0	28
6	0	0	28
7	0	0	29
8	1	-1	29
9	6	2	32
10	6	3	36
11	7	3	35
12	8	4	37
13	10	6	38
14	7	4	36
15	15	6	43
16	4	1	31
17	0	-1	28
18	0	-4	24
19	0	-5	22
20	0	-5	21
21	0	-5	21
22	0	-5	22
23	0	-1	27
24	0	0	28
TOT	64	2	710
AVE			
MAX			
MIN			

# EDGEWOOD DECEMBER 1970

14

HOUP	PRECIP	STA PRESS	TEMP	HUMID	DEW PT	- WIND DIRECT	WIND SPEED	SNOW/SOIL TEMP	DELTA T
1	0.	1016.3	41	50	24	W	5	37.6	.4
2	0.	1016.8	43	51	26	W	7	37.8	.3
3	0.	1017.5	43	53	27	WNW	9	37.7	.4
4	0.	1017.7	42	55	27	W	5	37.6	.4
5	0.	1017.7	41	56	27	W	7	35.2	.7
6	0.	1018.6	41	54	25	WNW	7	37.4	.1
7	0.	1019.5	41	51	25	WNW	8	36.9	.1
8	0.	1020.6	39	52	23	WNW	8	36.8	.1
9	0.	1021.3	40	51	24	NW	7	39.0	.6
10	0.	1021.5	41	53	25	NW	10	41.1	-1.4
11	0.	1021.4	42	54	27	WNW	10	41.5	-1.1
12	0.	1021.0	43	44	23	NW	10	46.0	-1.9
13	0.	1020.8	43	45	23	WNW	10	44.7	.9
14	0.	1020.5	43	45	23	WNW	10	43.8	-1.3
15	0.	1020.2	43	42	22	NW	8	41.5	.6
16	0.	1020.3	39	41	18	WNW	8	38.5	.5
17	0.	1020.3	29	46	10	WNW	3	33.0	4.2
18	0.	1020.4	26	54	12	WNW	1	32.2	4.7
19	0.	1020.3	29	71	21	C	C	28.9	5.9
20	0.	1020.4	32	84	28	C	C	29.4	2.9
21	0.	1020.2	34	91	31	C	C	33.0	1.3
22	0.	1020.1	34	94	33	C	C	35.1	1.8
23	0.	1019.7	33	83	28	C	C	35.6	2.0
24	0.	1019.1	34	83	29	C	C	33.5	4.4
TOT	0.00						133		
AVE		1019.7	38	58	24	WNW	6	37.2	.9
MAX		1021.5	43	94	33		10	46.0	5.9
MIN		1016.3	26	41	10		0	28.9	-1.9

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# EDGEWOOD DECEMBER 1970

14

HOUP	VEPT RAD	NET RAD	TOT RAD
1	0	-1	27
2	0	-1	28
3	0	-1	27
4	0	-2	26
5	0	-4	24
6	0	-2	25
7	0	-1	26
8	0	-1	27
9	5	1	31
10	20	7	40
11	24	9	46
12	30	12	51
13	34	14	56
14	30	12	53
15	23	7	45
16	11	0	32
17	1	-5	23
18	0	-5	20
19	0	-3	22
20	0	-3	21
21	0	-1	24
22	0	0	27
23	0	-1	26
24	0	-2	26
TOT	178	29	753
AVE			
MAX			
MIN			

# EDGEWOOD DECEMBER 1970

15

HOUR	PRECIP	STA PRESS	TEMP	HUMID	DEW PT	WIND DIR	WIND SPEED	SNOW/SOIL TEMP	DELTA T
1	0.	1018.8	33	70	25	WSW	1	31.4	3.5
2	0.	1018.8	36	67	26	WSW	2	31.7	2.6
3	0.	1020.0	35	65	24	NNW	2	33.1	2.1
4	0.	1021.1	33	72	24	NNW	4	32.8	2.7
5	0.	1022.1	31	66	21	NNW	6	32.3	1.8
6	0.	1023.0	32	62	21	NNW	5	31.2	2.8
7	0.	1024.3	35	61	23	NNW	2	30.3	2.6
8	0.	1025.8	37	58	23	NNW	3	30.9	2.2
9	0.	1026.7	38	54	23	NW	4	35.1	2.9
10	0.	1027.2	39	50	22	NNW	8	40.2	1.8
11	0.	1027.5	40	47	22	N	7	45.1	2.6
12	0.	1026.9	41	46	22	N	6	47.1	2.7
13	0.	1026.7	41	44	21	N	5	49.1	2.8
14	0.	1026.6	42	42	20	N	4	48.1	2.1
15	0.	1026.6	37	44	17	N	4	44.2	1.8
16	0.	1026.9	30	47	12	NE	4	39.5	5
17	0.	1027.1	25	54	11	ENE	2	33.2	7.2
18	0.	1027.6	24	70	15		C	28.7	3.7
19	0.	1028.6	24	83	20		C	29.2	8.8
20	0.	1028.4	24	89	21		C	29.0	7.5
21	0.	1028.5	24	91	22		C	29.1	5.6
22	0.	1028.6	22	93	21		C	29.2	6.0
23	0.	1028.9	25	96	24		C	29.2	3.4
24	0.	1029.1	22	95	21		C	28.5	5.1
TOT	0.00						69		
AVE		1025.7	32	65	21	NNW	3	34.9	2.1
MAX		1029.1	42	96	26		8	49.1	8.8
MIN		1018.8	22	42	11		0	28.5	-2.8

# EDGEWOOD DECEMBER 1970

15

HOUR	VERT RAD	NET RAD	TOT RAD
1	0	-4	22
2	0	-5	22
3	0	-2	24
4	0	-2	25
5	0	-4	22
6	0	-6	20
7	0	-5	20
8	2	-5	22
9	12	0	32
10	24	7	46
11	34	13	55
12	38	16	59
13	37	15	58
14	31	11	51
15	23	7	45
16	11	0	32
17	1	-4	23
18	0	-5	21
19	0	-3	21
20	0	-3	21
21	0	-3	20
22	0	-3	22
23	0	-3	22
24	0	-3	21
TOT	213	9	726
AVE			
MAX			
MIN			



## EDGEWOOD DECEMBER 1970

16

HOUR	PRECIP	STA PRESS	TEMP	HUMID	DEW PT	WIND DIR	WIND SPEED	SNOW/SOIL TEMP	DELTA T
1	0.	1029.1	23	95	22	NE	1	29.6	5.1
2	0.	1028.5	27	97	26	ENE	1	28.3	5.4
3	0.	1029.0	29	98	28	ENE	1	28.2	6.4
4	0.	1028.8	31	99	30	NE	1	29.1	4.9
5	0.	1028.7	31	99	31	NE	1	30.7	.7
6	0.	1028.7	32	99	32	NE	1	31.3	.3
7	0.	1028.6	34	97	34	ENE	2	32.8	.2
8	0.	1027.9	35	92	33	NE	3	34.0	0.0
9	0.	1027.7	37	91	35	ENE	3	35.1	-.2
10	0.	1027.5	39	90	36	E	4	36.9	-.3
11	0.	1026.6	39	87	35	ENE	6	38.7	-.6
12	0.	1025.3	39	85	35	E	7	39.3	-.6
13	0.	1024.0	40	86	36	E	6	39.4	-.4
14	0.	1022.8	41	94	39	ENE	3	39.3	-.1
15	.05	1021.3	42	100	42	ENE	4	39.4	-.2
16	.04	1019.9	42	100	42	E	7	39.7	-.3
17	.11	1018.1	43	100	43	E	10	40.6	-.8
18	.09	1016.4	43	100	43	E	10	41.1	-1.4
19	.14	1015.3	44	100	44	E	10	41.3	-2.0
20	.07	1012.6	45	100	45	E	10	41.2	-1.7
21	.15	1011.4	45	100	45	E	10	41.7	-1.9
22	.38	1009.9	46	100	46	ENE	6	42.4	-1.8
23	.26	1006.9	47	100	47	ENE	10	42.6	-.7
24	.01	1003.8	47	100	47	E	11	42.7	-.7
TOT	1.30						128		
AVE		1021.6	38	96	37	E	5	36.9	.4
MAX		1029.1	47	100	47		11	42.7	6.4
MIN		1003.8	23	85	22		1	28.2	-2.0

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# EDGEWOOD DECEMBER 1970

16

HOUR	VERT RAD	NET RAD	TOT RAD
1	0	-3	22
2	0	-4	20
3	0	-4	21
4	0	-2	22
5	0	-1	25
6	0	1	28
7	0	0	28
8	0	0	28
9	2	1	29
10	4	2	30
11	7	3	34
12	7	3	34
13	5	2	32
14	3	-7	23
15	1	-8	20
16	0	-5	22
17	0	-5	23
18	0	-4	22
19	0	-3	23
20	0	-2	23
21	0	-2	23
22	0	-1	27
23	0	-1	27
24	0	0	25
TOT	29	-40	611
AVE			
MAX			
MIN			

## EDGEWOOD DECEMBER 1970

17

HOUR	PRECIP	STA PRESS	TEMP	HUMID	DEW PT	WIND DIR	WIND SPEED	SNOW/SOIL TEMP	DELTA T
1	.03	1002.2	47	100	47	E	12	43.0	-.3
2	.07	1001.5	46	100	46	ENE	9	42.9	-.5
3	.02	1000.8	46	100	46	ENE	6	43.2	-.1
4	.02	999.9	42	100	42	NE	6	43.2	-.1
5	.01	1000.4	41	100	41	N	5	43.4	-.3
6	0.	1001.1	40	100	40	NW	5	43.4	-.5
7	0.	1002.4	40	96	39	NNW	6	42.6	-.4
8	0.	1003.6	41	95	39	NNW	6	41.4	-.6
9	0.	1004.3	43	87	39	NW	5	42.0	0.0
10	0.	1005.0	45	78	38	NW	6	42.8	-.1
11	0.	1005.5	45	73	37	NW	9	44.0	-.7
12	0.	1005.4	46	71	37	NW	7	44.7	-.8
13	0.	1005.8	48	71	39	WNW	8	45.4	-.7
14	0.	1006.3	50	66	39	NW	8	46.3	-.6
15	0.	1007.0	50	66	39	NW	7	46.6	0.0
16	0.	1008.1	50	68	40	NW	7	45.4	-.1
17	0.	1008.9	49	65	37	WNW	9	44.2	-.6
18	0.	1010.1	47	64	36	WNW	11	43.8	-.4
19	0.	1011.5	46	63	34	WNW	10	42.7	-.8
20	0.	1012.7	45	64	34	WNW	10	41.5	-.5
21	0.	1013.5	45	65	34	WNW	7	41.4	-.5
22	0.	1014.2	45	64	33	WNW	8	41.3	-.4
23	0.	1014.9	44	65	33	WNW	6	41.2	-.3
24	0.	1015.4	44	66	33	WNW	6	41.2	-.3
TOT	.15						180		
AVE		1006.7	45	79	38	WNW	8	43.2	-.1
MAX		1015.4	50	100	47		12	46.6	-.8
MIN		999.9	40	63	33		5	41.2	-.8

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# EDGEWOOD DECEMBER 1970

17

HOUP	VERT RAD	NET RAD	TOT RAD
1	0	-2	28
2	0	-3	24
3	0	-2	24
4	0	-3	26
5	0	-2	24
6	0	-1	28
7	0	0	29
8	1	0	30
9	11	5	38
10	14	7	40
11	23	9	46
12	17	9	43
13	15	9	43
14	19	11	46
15	15	9	46
16	5	2	34
17	0	0	30
18	0	-2	28
19	0	-3	27
20	0	-4	25
21	0	-2	27
22	0	-1	27
23	0	0	28
24	0	-1	28
TOT	120	35	769
AVE			
MAX			
MIN			

## EDGEWOOD DECEMBER 1970

18

HOUP	PRECIP	STA PRESS	TEMP	HUMID	DEW PT	WIND DIRECT	WIND- SPEED	SNOW/SOIL TEMP	DELTA T
1	0.	1015.6	44	63	32	WNW	5	41.3	.4
2	0.	1016.3	41	64	30	WNW	5	41.0	.4
3	0.	1016.8	39	69	30	WNW	6	40.0	.7
4	0.	1017.1	40	74	32	WNW	3	38.4	1.6
5	0.	1017.8	39	72	30	W	2	38.1	1.2
6	0.	1018.8	37	78	31	W	4	37.3	2.0
7	0.	1019.6	40	80	34	WNW	2	37.8	.8
8	0.	1020.8	42	81	36		C	36.5	2.7
9	0.	1021.3	44	68	34	W	1	40.0	-1.3
10	0.	1021.6	45	57	31	NW	6	41.8	-1.4
11	0.	1021.6	46	56	31	NNW	8	43.4	-1.6
12	0.	1021.2	46	54	31	NNW	9	45.8	-1.5
13	0.	1020.7	47	53	31	NNW	6	46.9	-2.3
14	0.	1020.3	48	51	31	NNW	5	48.8	-1.9
15	0.	1020.4	46	53	30	NNW	5	46.6	-1.1
16	0.	1020.4	42	57	28	N	3	44.0	1.6
17	0.	1020.5	35	64	24	NNE	1	39.8	3.8
18	0.	1020.5	32	80	27		C	38.0	4.9
19	0.	1020.5	31	93	29		C	36.7	2.9
20	0.	1020.5	30	99	30		C	36.1	2.5
21	0.	1020.5	29	98	28		C	36.3	3.1
22	0.	1020.3	27	97	26		C	35.2	2.1
23	0.	1020.0	28	97	27		C	34.9	2.0
24	0.	1019.4	29	99	29		C	34.0	3.4
TOT	0.00						71		
AVE		1019.7	39	73	30	WNW	3	39.9	1.0
MAX		1021.6	48	99	36		9	48.8	4.9
MIN		1015.6	27	51	24		0	34.0	-2.3

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# EDGEWOOD DECEMBER 1970

18

HOUP	VERT RAD	NET RAD	TOT RAD
1	0	0	29
2	0	0	24
3	0	-2	27
4	0	-4	24
5	0	-4	24
6	0	-4	23
7	0	-3	25
8	1	-3	24
9	10	0	33
10	22	7	44
11	32	13	54
12	36	16	60
13	31	14	54
14	30	13	51
15	23	7	44
16	8	1	33
17	1	-3	25
18	0	-4	23
19	0	-3	24
20	0	-3	23
21	0	-3	23
22	0	-3	23
23	0	-3	23
24	0	-3	22
TOT	194	26	763
AVE			
MAX			
MIN			



## EDGEWOOD DECEMBER 1970

19

HOUR	PRECIP	STA PRESS	TEMP	HUMID	DEW PT	WIND DIREC	WIND- SPEED	SNOW/SOIL TEMP	DELTA T
1	0.	1018.6	32	100	32	NNE	1	34.1	2.8
2	0.	1017.6	34	100	34	NNE	1	35.1	.8
3	0.	1016.7	36	100	36		C	35.9	.5
4	0.	1015.6	37	100	37	NE	1	37.9	-.2
5	0.	1015.0	39	100	39		C	38.6	-.3
6	0.	1013.8	42	100	42	S	1	39.4	-.2
7	0.	1013.6	42	98	41	SSW	2	39.8	-.1
8	0.	1013.4	42	98	42	WSW	1	40.9	-.3
9	0.	1013.1	44	93	42	SW	1	41.7	-.4
10	0.	1013.0	45	81	39	WSW	2	43.3	-.5
11	0.	1012.5	45	79	39	WSW	3	44.6	-1.0
12	0.	1010.6	46	78	40	SW	2	44.4	-1.2
13	0.	1009.8	47	78	40	SSW	4	47.0	-.9
14	0.	1009.2	51	72	42	SSW	2	44.4	-1.1
15	0.	1008.9	49	68	39	SSW	3	45.0	-.2
16	0.	1008.6	46	80	40	SSW	3	43.7	1.4
17	0.	1008.8	44	91	42	SSW	2	42.4	1.0
18	0.	1008.7	42	100	42	SSW	3	40.6	1.4
19	0.	1008.8	41	99	40	SSW	2	39.8	3.2
20	0.	1009.5	45	99	45		C	39.2	3.0
21	0.	1010.6	53	56	38	N	1	38.5	8.5
22	0.	1011.8	56	53	39	NW	10	43.3	1.3
23	0.	1013.5	49	57	35	NW	12	41.4	1.6
24	0.	1015.0	48	55	32	NNW	6	40.1	1.4
TOT	0.00						63		
AVE		1012.4	44	85	39	SSW	3	40.9	.9
MAX		1018.6	56	100	45		12	47.0	8.5
MIN		1008.6	32	53	32		0	34.1	-1.2

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# EDGEWOOD DECEMBER 1970

19

HOUR	VERT RAD	NET RAD	TOT RAD
1	0	-3	23
2	0	-1	24
3	0	0	27
4	0	1	28
5	0	0	27
6	0	0	28
7	0	1	31
8	1	0	31
9	4	2	33
10	4	3	34
11	11	6	39
12	11	5	38
13	27	11	49
14	8	1	35
15	20	7	43
16	9	2	33
17	1	-1	27
18	0	-3	24
19	0	-3	27
20	0	-2	27
21	0	-2	26
22	0	-4	26
23	0	-5	25
24	0	-5	24
TOT	96	10	729
AVE			
MAX			
MTN			

## EDGEWOOD DECEMBER 1970

20

HOUR	PRECIP	STA PRESS	TEMP	HUMID	DEW PT	WIND DIRECT	WIND SPEED	SNOW/SOIL TEMP	DELTA T
1	0.	1015.6	46	52	29	WNW	7	38.4	1.2
2	0.	1016.6	44	55	29	NW	10	38.3	1.4
3	0.	1017.6	43	56	29	WNW	3	37.2	1.6
4	0.	1018.0	42	56	27	WNW	5	36.8	1.5
5	0.	1018.9	39	60	26	WNW	3	36.1	1.8
6	0.	1019.5	37	68	27	WNW	1	34.7	5.1
7	0.	1020.6	40	71	31	W	1	34.8	3.9
8	0.	1021.3	44	68	34	WSW	1	34.3	3.8
9	0.	1022.1	45	61	32	W	2	39.2	- .9
10	0.	1023.1	48	53	32	WSW	3	43.6	-1.5
11	0.	1023.0	47	53	31	WSW	3	45.1	- .9
12	0.	1022.8	48	48	29	W	3	43.4	- .5
13	0.	1022.5	48	45	28	NW	8	46.9	- .6
14	0.	1022.4	48	43	27	WNW	7	44.1	- .3
15	0.	1022.5	47	43	25	WNW	6	43.4	0.0
16	0.	1022.6	40	46	21	WNW	4	40.4	.6
17	0.	1022.9	31	54	16	WNW	1	35.4	6.4
18	0.	1023.3	29	79	23	C	C	34.8	4.7
19	0.	1023.7	27	91	25	C	C	32.9	3.2
20	0.	1024.1	28	97	27	C	C	31.8	3.6
21	0.	1024.3	27	97	26	C	C	31.5	3.8
22	0.	1024.8	26	97	25	C	C	32.8	2.7
23	0.	1025.4	24	96	23	C	C	31.5	5.2
24	0.	1025.4	25	96	24	C	C	30.9	1.2
TOT	0.00						68		
AVE		1021.8	38	66	27	WNW	3	37.4	2.0
MAX		1025.4	48	97	34		10	46.9	6.4
MIN		1015.6	24	43	16		0	30.9	-1.5

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# EDGEWOOD DECEMBER 1970

20

HOUR	VERT RAD	NET RAD	TOT RAD
1	0	-5	23
2	0	-6	23
3	0	-4	24
4	0	-5	23
5	0	-5	23
6	0	-4	23
7	0	-4	24
8	1	-4	23
9	11	0	33
10	18	8	42
11	27	13	54
12	13	6	40
13	32	13	54
14	25	10	47
15	17	4	40
16	7	-1	30
17	1	-4	24
18	0	-4	22
19	0	-4	23
20	0	-4	22
21	0	-4	22
22	0	-2	24
23	0	-3	23
24	0	-3	23
TOT	152	-12	709
AVE			
MAX			
MIN			

## EDGEWOOD DECEMBER 1970

21

HOUR	STA PRECIP PRESS	TEMP	HUMID PT	DFW - WIND DIRCT SPEED	SNOW/SOIL TEMP	DELTA T
1	0.	28	97	27	30.7	4.5
2	0.	29	98	28	30.4	4.8
3	0.	29	93	27	30.8	3.2
4	0.	30	92	28	31.0	4.6
5	0.	30	93	29	32.0	2.0
6	0.	31	97	30	33.5	1.1
7	0.	32	93	30	33.8	.6
8	0.	32	85	28	34.9	.7
9	0.	34	75	27	36.3	.2
10	0.	35	68	25	37.5	-.3
11	0.	35	66	25	38.0	-.6
12	0.	35	63	24	38.8	-.8
13	0.	35	76	28	38.0	-.4
14	0.	33	100	33	34.5	-.3
15	.02	32	100	32	35.2	-.3
16	.03	32	100	32	35.5	-.3
17	.01	32	100	32	35.9	-.3
18	.01	32	100	32	35.8	-.5
19	0.	32	100	32	35.8	-1.0
20	0.	32	100	32	35.7	-1.4
21	0.	32	100	32	35.8	-1.2
22	.05	32	100	32	35.6	-1.2
23	.02	32	100	32	35.3	-1.3
24	.01	32	100	32	35.2	-1.2
TOT	.15			41		
AVE	1023.5	32	91	30	34.8	.4
MAX	1025.6	35	100	33	38.8	4.8
MIN	1021.1	28	63	24	30.4	-1.4

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# EDGEWOOD DECEMBER 1970

21

VERT RAD	NET RAD	TOT RAD	HOOR
0	-3	23	1
0	-3	22	2
0	-2	24	3
0	-2	25	4
0	-1	26	5
0	0	27	6
0	0	27	7
1	0	28	8
3	2	31	9
6	3	32	10
4	2	32	11
7	3	33	12
6	3	31	13
3	1	29	14
2	-4	25	15
1	-5	23	16
0	-4	23	17
0	-4	24	18
0	-5	22	19
0	-4	22	20
0	-5	22	21
0	-4	23	22
0	-4	22	23
0	-4	22	24
33	-40	618	TOT
			AVE
			MAX
			MIN



# EDGEWOOD DECEMBER 1970

22

HOUR	PRECIP	STA PRESS	TEMP	HUMID PT	DEW PT	WIND DIR	WIND SPEED	SNOW/SOIL TEMP	DELTA T
1	.02	1020.4	32	100	32	ENE	5	35.5	-1.3
2	.01	1020.1	32	100	32	ENE	5	35.5	-1.1
3	.07	1019.5	32	100	32	ENE	4	35.6	-1.1
4	0.	1018.7	33	100	33	ENE	3	35.5	-1.1
5	.03	1018.5	34	100	34	ENE	3	35.5	-1.9
6	.04	1016.4	34	100	34	ENE	5	35.3	-1.7
7	.08	1016.3	35	100	35	ENE	6	35.7	-1.4
8	.09	1017.2	35	100	35	NE	5	35.4	-1.2
9	.23	1015.6	35	100	35	E	3	34.7	-1.5
10	.01	1014.6	36	100	36	E	2	34.5	-1.4
11	.07	1014.1	36	100	36	NE	1	36.2	-1.1
12	.04	1011.9	37	100	37	N	1	37.2	-1.4
13	.01	1010.9	38	100	38	NNE	3	38.2	-1.3
14	0.	1010.6	38	100	38	NE	3	39.1	-1.3
15	0.	1010.2	39	100	39	NNE	1	39.3	-1.4
16	0.	1010.5	39	100	39	NNE	1	40.0	-1.2
17	0.	1010.5	39	100	39		C	40.0	-1.0
18	0.	1011.0	38	100	38		C	40.2	-1.1
19	0.	1012.0	39	100	39	N	1	40.2	-1.1
20	0.	1012.5	38	100	38	NNW	2	40.1	-1.2
21	0.	1012.9	37	100	37	NNW	3	39.5	-1.1
22	0.	1013.2	36	100	36	N	2	39.5	-1.1
23	0.	1013.5	36	100	36	N	1	39.5	-1.1
24	0.	1013.7	36	100	36	NNW	1	39.5	-1.2
TOT	.70						61		
AVE		1014.4	36	100	36	ENE	3	37.6	-1.0
MAX		1020.4	39	100	39		6	40.2	NONE
MIN		1010.2	32	100	32		0	34.5	-1.4

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# EDGEWOOD DECEMBER 1970

22

HOUP	VERT RAD	NET RAD	TOT RAD
1	0	-4	23
2	0	-4	24
3	0	-3	27
4	0	-3	25
5	0	-4	23
6	0	-3	23
7	0	-2	24
8	1	-2	24
9	1	-1	26
10	2	-1	25
11	2	-2	27
12	5	-2	27
13	5	-1	30
14	4	0	33
15	4	2	33
16	4	3	34
17	1	0	31
18	0	0	30
19	0	0	30
20	0	0	28
21	0	0	28
22	0	0	29
23	0	0	29
24	0	0	29
TOT	29	-27	662
AVE			
MAX			
MTN			

## EDGEWOOD DECEMBER 1970

23

HOUR	PRECIP	STA PRESS	TEMP	HUMID	DEW PT	WIND DIR	WIND SPEED	SNOW/SOIL TEMP	DELTA T
1	0.	1013.8	36	100	36	NNE	2	39.4	-1.2
2	0.	1014.2	35	100	35	SW	1	39.6	-1.1
3	0.	1014.5	35	100	35	W	1	39.5	-1.2
4	0.	1014.3	35	100	35		0	39.5	-1.2
5	0.	1014.3	35	100	35	E	1	39.3	-1.1
6	0.	1014.2	35	100	35		0	39.2	-1.3
7	0.	1014.7	36	100	36	SE	1	39.1	-1.3
8	.01	1015.1	35	100	35	SE	1	39.2	-1.3
9	.01	1014.6	35	100	35	E	2	39.0	-1.4
10	.03	1015.1	35	99	35	ENE	3	39.1	-1.4
11	0.	1014.4	36	99	35	ENE	5	39.0	-1.2
12	.01	1012.5	36	99	35	ENE	6	38.8	-1.3
13	.01	1011.6	35	98	35	NE	5	39.0	-.9
14	.04	1010.8	35	98	34	NE	5	38.9	-1.0
15	.01	1010.3	35	98	35	NE	5	38.9	-.9
16	T	1009.0	36	98	36	ENE	5	38.9	-.4
17	.01	1008.8	38	97	37	NE	5	38.9	-.4
18	T	1008.6	39	97	38	NE	5	38.9	-.7
19	0.	1008.0	39	97	38	NE	4	38.9	-.8
20	0.	1007.5	38	98	38	ENE	5	38.9	-.9
21	0.	1006.8	37	98	37	NE	5	39.3	-.7
22	0.	1006.3	38	99	37	NE	4	39.3	-1.0
23	0.	1005.0	38	99	38	NE	3	39.3	-1.1
24	.02	1004.2	37	99	37	NE	3	39.3	-1.1
TOT	.15						77		
AVE		1011.2	36	99	36	NE	3	39.1	-1.0
MAX		1015.1	39	100	38		6	39.6	NONE
MIN		1004.2	35	97	34		0	38.8	-1.4

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# EDGEWOOD DECEMBER 1970

23

HOHR	VERT RAD	NET RAD	TOT RAD
1	0	0	28
2	0	0	29
3	0	0	29
4	0	0	28
5	0	0	28
6	0	0	28
7	0	0	28
8	1	0	28
9	2	1	30
10	2	-2	27
11	3	-4	27
12	1	-4	26
13	2	-4	24
14	1	-4	25
15	1	-5	24
16	1	-5	27
17	0	-3	28
18	0	-5	24
19	0	-4	27
20	0	-3	28
21	0	-3	29
22	0	-1	29
23	0	-2	29
24	0	-5	24
TOT	14	-53	654
AVE			
MAX			
MIN			

## EDGEWOOD DECEMBER 1970

24

HOUR	STA PRECIP PRESS	TEMP	HUMID PT	DEW - DIR	WIND SPEED	SNOW/SOIL TEMP	DELTA T
1	T 1002.6	38	100	38	NE	39.2	-1.0
2	.06 1003.3	38	100	38	NNW	39.3	-.6
3	.01 1004.2	38	99	38	NNW	39.5	-.6
4	0. 1004.0	37	97	36	NW	39.1	.9
5	0. 1004.7	38	50	20	NW	37.6	0.0
6	0. 1005.5	39	43	18	NW	36.5	1.5
7	0. 1007.0	37	44	17	WNW	36.1	.9
8	0. 1008.9	36	43	16	NW	34.4	0.0
9	0. 1010.2	35	39	12	WNW	34.4	-.5
10	0. 1011.5	34	38	11	NW	34.4	-.8
11	0. 1012.1	35	37	11	WNW	36.5	-1.6
12	0. 1012.0	36	39	13	NW	37.8	-1.3
13	0. 1011.8	37	37	13	WNW	39.1	-1.5
14	0. 1012.0	38	36	13	WNW	39.2	-1.2
15	0. 1012.3	38	37	14	NW	38.3	-.7
16	0. 1013.2	38	38	14	NW	36.4	-.3
17	0. 1013.9	36	39	14	NW	34.7	.9
18	0. 1014.7	32	46	13	NNW	34.6	2.5
19	0. 1015.5	31	48	14	NW	34.6	1.1
20	0. 1015.7	30	48	13	NW	34.6	2.1
21	0. 1016.1	29	50	13	WNW	34.3	2.3
22	0. 1016.1	28	52	13	WNW	33.2	2.6
23	0. 1016.2	25	57	12	WNW	30.5	3.1
24	0. 1015.9	24	72	16	C	30.7	3.1
TOT	.07				153		
AVE	1010.8	34	54	18	NW	36.0	.5
MAX	1016.2	39	100	38		39.5	3.1
MIN	1002.6	24	36	11		30.5	-1.6

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# EDGEWOOD DECEMBER 1970

24

VERT RAD	NET RAD	TOT RAD
1	0	28
2	-4	27
3	-3	27
4	-5	24
5	-7	20
6	-9	21
7	-7	23
8	-4	23
9	-5	30
10	0	43
11	8	51
12	13	57
13	16	54
14	17	52
15	13	43
16	7	31
17	0	21
18	-5	21
19	-6	22
20	-6	21
21	-5	21
22	-6	21
23	-5	21
24	-5	24
TOT	216	726
AVE	-11	
MAX		
MIN		



## EDGEWOOD DECEMBER 1970

25

HOUR	PRECIP	STA PRESS	TEMP	HUMID	DEW PT	WIND DIRECTION	WIND SPEED	SNOW/SOIL TEMP	DELTA T
1	0.	1015.8	22	79	17		C	30.3	2.3
2	0.	1015.7	22	80	17		C	30.3	3.9
3	0.	1015.2	21	82	16		C	30.1	3.4
4	0.	1014.7	21	87	18		C	29.8	3.6
5	0.	1014.2	22	88	19		C	30.0	2.6
6	0.	1014.8	21	88	18		C	30.0	1.8
7	0.	1013.5	23	90	21		C	30.0	1.8
8	0.	1014.1	25	93	23		C	30.0	1.1
9	0.	1013.7	27	84	23		C	30.8	-2
10	0.	1013.5	31	70	22		C	30.9	-1.5
11	0.	1012.6	32	56	18		C	34.0	-1.8
12	0.	1011.1	32	56	19		C	36.0	-1.4
13	0.	1009.8	33	61	21	SSW	2	36.2	-1.3
14	0.	1008.4	35	59	22	SSW	3	37.8	-2.1
15	0.	1006.7	35	55	20	SW	4	37.5	-1.4
16	T	1004.8	34	64	23	SSE	3	35.6	-5
17	.01	1003.8	31	64	20	SE	2	33.3	2.0
18	T	1003.1	30	69	21	ESE	1	32.9	2.5
19	0.	1003.7	29	74	22	E	1	33.5	.6
20	0.	1003.1	29	76	22		C	33.5	1.9
21	0.	1001.6	29	74	21	ENE	1	33.5	1.1
22	0.	1001.0	29	78	23	W	1	33.6	.4
23	.01	1000.3	29	95	27	NNE	2	33.6	-4
24	.04	999.5	29	97	27	NNE	5	33.5	-4
TOT	.06						28		
AVE		1008.9	28	76	21	SSW	1	32.8	.7
MAX		1015.8	35	97	27		5	37.8	3.9
MIN		999.5	21	55	16		0	29.8	-2.1

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# EDGEWOOD DECEMBER 1970

25

VERT RAD	NET RAD	TOT RAD
1	0	-4
2	0	-4
3	0	-4
4	0	-5
5	0	-3
6	0	-3
7	0	-3
8	1	-2
9	6	0
10	21	4
11	33	10
12	25	11
13	15	7
14	22	8
15	22	6
16	11	0
17	2	-5
18	0	-5
19	0	-1
20	0	-1
21	0	-2
22	0	-1
23	0	0
24	0	-1
TOT	158	2
AVE		683
MAX		
MIN		

## EDGEWOOD DECEMBER 1970

26

HOUR	STA PRECIP	TEMP	HUMID	DEW PT	WIND DIR	WIND SPEED	SNOW/SOIL TEMP	DELTA T
1	0.	27	97	26	N	5	34.0	-0.2
2	0.	27	95	26	N	4	34.0	0.0
3	0.	28	91	25	NNW	6	34.0	.3
4	0.	28	86	24	NNW	6	34.0	.3
5	0.	28	84	24	NNW	6	33.9	0.0
6	0.	28	81	23	NW	7	33.2	.2
7	0.	29	62	17	NW	9	32.0	.2
8	0.	26	65	16	WNW	10	31.2	-.3
9	0.	27	54	12	WNW	13	30.4	-.4
10	0.	28	50	12	WNW	13	30.5	-.5
11	0.	29	49	12	NW	14	30.8	-.8
12	0.	30	47	12	WNW	11	31.9	-1.0
13	0.	31	45	12	WNW	12	34.5	-1.0
14	0.	31	44	12	WNW	12	34.4	-.9
15	0.	31	41	11	WNW	9	33.3	-.8
16	0.	30	41	9	WNW	12	31.1	-.4
17	0.	28	42	8	WNW	9	29.6	.4
18	0.	26	44	7	WNW	10	29.3	.4
19	0.	25	45	7	WNW	10	28.7	.3
20	0.	24	44	5	WNW	8	28.8	.2
21	0.	22	46	4	WNW	8	28.6	.5
22	0.	21	47	4	WNW	8	28.0	.4
23	0.	20	46	3	WNW	6	27.9	.3
24	0.	19	46	2	WNW	5	27.4	.6
TOT	0.00					213		
AVE	1004.1	27	58	13	WNW	9	31.3	-.1
MAX	1007.6	31	97	26		14	34.5	.6
MIN	998.5	19	41	2		4	27.4	-1.0

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# ENGLEWOOD DISTRICT 1970

24

HOUB	VERT RAD	NET RAD	TOT RAD
1	0	0	27
2	0	0	26
3	0	0	26
4	0	-2	25
5	0	0	27
6	0	-2	24
7	0	-3	23
8	1	-1	25
9	7	0	29
10	22	2	40
11	33	5	48
12	37	7	53
13	36	8	54
14	33	7	49
15	24	3	42
16	11	-2	30
17	1	-6	22
18	0	-6	20
19	0	-5	19
20	0	-4	21
21	0	-5	20
22	0	-5	19
23	0	-6	19
24	0	-6	19
TOT	207	-21	707
AVE			
MAX			
MIN			





EDGEWOOD DECEMBER 1970

27

HOUP	VERT HAD	NET RAD	TOT RAD
1	0	-6	19
2	0	-5	19
3	0	-2	24
4	0	-4	22
5	0	-2	23
6	0	-1	24
7	0	-1	25
8	1	0	26
9	3	1	28
10	14	5	38
11	17	6	42
12	40	16	50
13	17	8	39
14	20	9	42
15	22	9	44
16	12	3	34
17	2	-4	24
18	0	-5	21
19	0	-6	20
20	0	-6	19
21	0	-6	19
22	0	-5	20
23	0	-6	20
24	0	-6	20
TOT	148	-8	671
AVE			
MAX			
MIN			



# EDGEWOOD DECEMBER 1970

28

	SEA	WIND	WIND- DIR	WIND- SPEED	SNOW/SOL	TEMP	DELTA T
1	1000.3	26	53	11	WNW	5	27.0
2	1000.1	26	58	13	W	6	27.1
3	1000.3	26	67	12	WNW	6	26.7
4	1000.5	26	57	11	N	5	26.2
5	1000.7	26	59	12	W	5	26.1
6	1000.6	26	61	12	W	4	26.1
7	1000.5	26	66	15	W	4	26.6
8	1000.0	27	59	15	W	7	26.8
9	1000.0	29	55	15	W	7	29.6
10	1000.0	31	51	15	WNW	10	32.6
11	1000.0	32	45	14	WNW	11	35.9
12	1000.7	33	41	12	NW	12	36.9
13	1000.9	34	40	12	NW	12	39.0
14	1000.1	34	39	11	WNW	11	33.9
15	1000.5	37	37	10	WNW	9	33.2
16	1000.3	38	36	8	NW	11	29.3
17	1000.5	39	37	6	WNW	8	27.1
18	1000.6	39	41	7	NW	9	26.5
19	1000.7	37	42	7	WNW	6	26.0
20	1000.1	36	43	6	WNW	5	26.0
21	1000.3	36	45	6	WNW	7	25.5
22	1000.2	37	44	5	NW	7	25.6
23	1000.1	37	44	5	WNW	6	25.4
24	1000.0	37	50	6	W	5	24.0
25	1000.0	37	50	6	W	5	24.0
26	1000.0	37	50	6	W	5	24.0
27	1000.0	37	50	6	W	5	24.0
28	1000.0	37	50	6	W	5	24.0
29	1000.0	37	50	6	W	5	24.0
30	1000.0	37	50	6	W	5	24.0
31	1000.0	37	50	6	W	5	24.0
32	1000.0	37	50	6	W	5	24.0
33	1000.0	37	50	6	W	5	24.0
34	1000.0	37	50	6	W	5	24.0
35	1000.0	37	50	6	W	5	24.0
36	1000.0	37	50	6	W	5	24.0
37	1000.0	37	50	6	W	5	24.0
38	1000.0	37	50	6	W	5	24.0
39	1000.0	37	50	6	W	5	24.0
40	1000.0	37	50	6	W	5	24.0
41	1000.0	37	50	6	W	5	24.0
42	1000.0	37	50	6	W	5	24.0
43	1000.0	37	50	6	W	5	24.0
44	1000.0	37	50	6	W	5	24.0
45	1000.0	37	50	6	W	5	24.0
46	1000.0	37	50	6	W	5	24.0
47	1000.0	37	50	6	W	5	24.0
48	1000.0	37	50	6	W	5	24.0
49	1000.0	37	50	6	W	5	24.0
50	1000.0	37	50	6	W	5	24.0
51	1000.0	37	50	6	W	5	24.0
52	1000.0	37	50	6	W	5	24.0
53	1000.0	37	50	6	W	5	24.0
54	1000.0	37	50	6	W	5	24.0
55	1000.0	37	50	6	W	5	24.0
56	1000.0	37	50	6	W	5	24.0
57	1000.0	37	50	6	W	5	24.0
58	1000.0	37	50	6	W	5	24.0
59	1000.0	37	50	6	W	5	24.0
60	1000.0	37	50	6	W	5	24.0
61	1000.0	37	50	6	W	5	24.0
62	1000.0	37	50	6	W	5	24.0
63	1000.0	37	50	6	W	5	24.0
64	1000.0	37	50	6	W	5	24.0
65	1000.0	37	50	6	W	5	24.0
66	1000.0	37	50	6	W	5	24.0
67	1000.0	37	50	6	W	5	24.0
68	1000.0	37	50	6	W	5	24.0
69	1000.0	37	50	6	W	5	24.0
70	1000.0	37	50	6	W	5	24.0
71	1000.0	37	50	6	W	5	24.0
72	1000.0	37	50	6	W	5	24.0
73	1000.0	37	50	6	W	5	24.0
74	1000.0	37	50	6	W	5	24.0
75	1000.0	37	50	6	W	5	24.0
76	1000.0	37	50	6	W	5	24.0
77	1000.0	37	50	6	W	5	24.0
78	1000.0	37	50	6	W	5	24.0
79	1000.0	37	50	6	W	5	24.0
80	1000.0	37	50	6	W	5	24.0
81	1000.0	37	50	6	W	5	24.0
82	1000.0	37	50	6	W	5	24.0
83	1000.0	37	50	6	W	5	24.0
84	1000.0	37	50	6	W	5	24.0
85	1000.0	37	50	6	W	5	24.0
86	1000.0	37	50	6	W	5	24.0
87	1000.0	37	50	6	W	5	24.0
88	1000.0	37	50	6	W	5	24.0
89	1000.0	37	50	6	W	5	24.0
90	1000.0	37	50	6	W	5	24.0
91	1000.0	37	50	6	W	5	24.0
92	1000.0	37	50	6	W	5	24.0
93	1000.0	37	50	6	W	5	24.0
94	1000.0	37	50	6	W	5	24.0
95	1000.0	37	50	6	W	5	24.0
96	1000.0	37	50	6	W	5	24.0
97	1000.0	37	50	6	W	5	24.0
98	1000.0	37	50	6	W	5	24.0
99	1000.0	37	50	6	W	5	24.0
100	1000.0	37	50	6	W	5	24.0

# ENGINE OIL DECEMBER 1970

24

HOUR	VERT RAD	NET RAD	TOT RAD
1	0	-5	20
2	0	-6	19
3	0	-6	20
4	0	-5	20
5	0	-5	20
6	0	-5	20
7	0	-5	21
8	2	-4	23
9	10	-1	30
10	22	0	42
11	33	12	51
12	34	16	55
13	37	15	55
14	31	12	49
15	21	5	38
16	12	0	30
17	2	-6	21
18	0	-6	19
19	0	-6	20
20	0	-6	19
21	0	-6	19
22	0	-6	18
23	0	-6	19
24	0	-6	18
TOT	204	-24	666
AVE			
MAX			
MIN			

# EDGEWOOD DECEMBER 1970

29

STATION	PRECIP	STATION PRESS	TEMP	HUMIDITY	DEW POINT	WIND DIRECTION	WIND SPEED	SNOW/SOIL TEMP	DELTA T
1	0.	1017.3	22	50	7	NNW	5	25.2	.4
2	0.	1017.5	21	51	5	N	5	25.1	.4
3	0.	1017.3	21	54	7	NNW	4	25.2	1.2
4	0.	1017.4	20	55	6	N	3	25.1	1.1
5	0.	1017.3	20	57	7	N	4	25.2	1.0
6	0.	1017.6	19	58	6	WSW	4	24.9	.9
7	0.	1018.3	20	60	9	N	3	24.6	1.2
8	0.	1018.1	23	61	12	N	1	25.7	1.5
9	0.	1018.6	26	55	12	N	5	28.6	1.3
10	0.	1018.9	28	49	11	NNW	6	32.2	2.0
11	0.	1018.4	30	44	11	NNW	7	35.9	2.2
12	0.	1017.3	31	42	10	N	9	40.6	2.4
13	0.	1016.5	32	41	11	NNW	8	41.3	2.5
14	0.	1016.2	33	41	11	N	7	38.2	1.9
15	0.	1015.9	33	40	11	NNW	7	36.3	1.6
16	0.	1015.7	31	42	11	NNW	9	32.1	1.0
17	0.	1015.9	28	45	9	NNW	5	27.6	1.2
18	0.	1015.9	25	48	8	NNW	2	25.5	2.4
19	0.	1016.2	21	57	8	NNW	1	25.1	3.4
20	0.	1016.4	19	63	9	NNW	1	23.9	4.2
21	0.	1016.3	20	64	11	C	C	23.6	4.2
22	0.	1016.3	20	65	10	C	C	24.0	3.2
23	0.	1016.3	19	65	10	C	C	24.4	3.0
24	0.	1016.3	19	65	9	N	2	24.8	2.8
TOT	0.00						95		
AVG		1017.0	24	53	9	N	4	28.5	.7
MAX		1018.9	33	66	12		9	41.3	4.3
MIN		1015.7	19	40	5		0	23.6	2.5

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EDGEWOOD DECEMBER 1970

29

HOHR	VERT RAD	NET RAD	TOT RAD
1	0	-6	19
2	0	-6	19
3	0	-6	18
4	0	-6	19
5	0	-5	19
6	0	-5	19
7	0	-6	18
8	2	-4	21
9	12	0	30
10	23	7	42
11	34	13	51
12	34	16	58
13	34	16	57
14	33	14	52
15	24	8	43
16	12	0	31
17	2	-5	21
18	0	-5	19
19	0	-4	20
20	0	-4	19
21	0	-4	19
22	0	-5	19
23	0	-5	19
24	0	-5	19
TOT	218	-7	671
AVE			
MAX			
MIN			

## EDGEWOOD DECEMBER 1970

30

HOUR	PRECIP	STA PRESS	TEMP	HUMID	DEW PT	WIND DIRECT	WIND SPEED	SNOW/SOIL TEMP	DELTA T
1	0.	1016.4	19	64	9	W	1	25.4	2.6
2	0.	1016.8	19	63	8	WNW	1	24.6	1.9
3	0.	1017.3	17	66	7	WNW	1	24.7	1.8
4	0.	1017.3	15	64	5	WNW	2	24.6	2.6
5	0.	1017.4	15	76	9		C	24.2	5.2
6	0.	1017.5	14	82	10	NNW	1	23.9	5.1
7	0.	1018.6	20	81	15		C	23.8	2.5
8	0.	1018.9	23	83	19		C	25.5	-2.2
9	0.	1019.5	26	65	16	W	1	28.6	-1.5
10	0.	1020.1	29	57	15	NW	5	30.9	-1.7
11	0.	1019.6	29	51	14	NNW	9	34.6	-2.2
12	0.	1019.2	31	45	12	NW	9	38.5	-2.1
13	0.	1018.4	32	41	11	NW	9	40.7	-2.0
14	0.	1017.6	33	38	11	NNW	10	38.4	-1.9
15	0.	1017.8	34	37	11	NNW	7	34.9	-1.4
16	0.	1018.3	35	37	9	NNW	6	30.4	-1.0
17	0.	1018.5	29	39	7	NW	4	27.0	1.2
18	0.	1018.8	20	42	0	WNW	1	23.6	5.2
19	0.	1018.7	18	56	5	WNW	C	22.8	3.4
20	0.	1019.9	19	67	10	WNW	1	23.5	6.2
21	0.	1020.5	22	73	14		C	23.6	7.4
22	0.	1020.7	22	63	12	W	1	25.3	1.6
23	0.	1020.9	22	59	10	WNW	1	25.7	1.9
24	0.	1019.9	22	59	10	NNW	2	26.1	1.9
TOT	0.00						72		
AVE		1018.7	23	59	10	NNW	3	28.0	1.5
MAX		1020.9	34	83	19		10	40.7	7.4
MIN		1016.4	14	37	0		0	23.8	-2.2



## EUGENE WOOD DECEMBER 1970

30

HOUR	VERT		NET		TOT	
	RAD	RAD	RAD	RAD	RAD	RAD
1	0	-5	19			
2	0	-5	19			
3	0	-6	19			
4	0	-6	19			
5	0	-4	19			
6	0	-4	19			
7	0	-5	19			
8	3	-4	21			
9	12	0	31			
10	24	8	44			
11	35	14	54			
12	40	17	58			
13	40	17	59			
14	35	15	54			
15	25	8	45			
16	13	0	32			
17	2	-5	22			
18	0	-5	19			
19	0	-5	21			
20	0	-4	20			
21	0	-4	20			
22	0	-4	21			
23	0	-4	21			
24	0	-4	21			
TOT	229	5	696			
AVE						
MAX						
MIN						



## EDGEWOOD DECEMBER 1976

31

HOUR	PRECIP	STA PRESS	TEMP	HUMID	DEW PT	WIND DIRECT	WIND SPEED	SNOW/SOIL TEMP	DELTA T
1	0.	1019.9	23	59	11	NW	1	26.5	1.0
2	0.	1021.0	22	59	10	NW	2	26.9	.9
3	0.	1020.6	22	59	10	W	2	27.4	.7
4	0.	1020.6	23	60	11	NNW	2	27.9	.2
5	0.	1020.1	22	58	9	W	2	28.8	.1
6	0.	1019.8	22	60	10	NE	2	28.2	.3
7	0.	1020.0	22	59	10	NE	1	27.8	.5
8	0.	1020.8	23	60	11		C	28.0	.1
9	0.	1020.4	25	56	11	NNE	1	30.8	1.0
10	0.	1020.3	27	48	10	NNE	3	33.7	1.9
11	0.	1019.3	28	45	10	ENE	3	37.7	2.9
12	0.	1017.8	30	43	10	E	3	43.3	3.6
13	0.	1015.3	31	42	11	E	5	42.0	3.3
14	0.	1014.8	30	44	11	ESE	3	36.5	1.4
15	0.	1014.8	31	45	12	ESE	3	32.3	.8
16	0.	1014.5	30	46	11	NE	1	30.6	0.0
17	T	1014.4	30	56	16	NE	3	30.5	.1
18	.01	1012.6	28	82	23	NNE	7	30.2	2.2
19	T	1011.7	29	78	23	NE	7	30.2	0.0
20	.01	1010.2	26	97	26	ENE	8	30.3	0.0
21	.07	1009.3	27	97	26	ENE	11	30.8	2.2
22	.09	1006.8	28	97	27	NE	12	30.9	2.2
23	.03	1004.6	28	97	27	ENE	15	30.9	0.0
24	.02	1002.3	27	97	26	ENE	20	31.3	.2
TOT	.23						117		
AVE		1015.5	26	64	15	NE	5	31.4	-.5
MAX		1021.0	31	97	27		20	43.3	1.0
MIN		1002.3	22	42	9		0	26.5	-3.6

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# EDGEWOOD DECEMBER 1970

31

HOUP	VERY RAD	NET RAD	TOT RAD
1	0	-3	22
2	0	-3	22
3	0	-2	23
4	0	-1	24
5	0	-1	25
6	0	-2	24
7	0	-2	24
8	1	-1	26
9	5	1	29
10	14	6	37
11	32	15	52
12	31	14	54
13	35	16	55
14	19	10	44
15	6	3	32
16	1	1	28
17	0	0	27
18	0	0	26
19	0	0	27
20	0	0	28
21	0	0	28
22	0	-1	26
23	0	-1	24
24	0	-1	24
TOT	144	48	731
AVE			
MAX			
MIN			



# WIND ROSE EDGEWOOD DECEMBER 1970

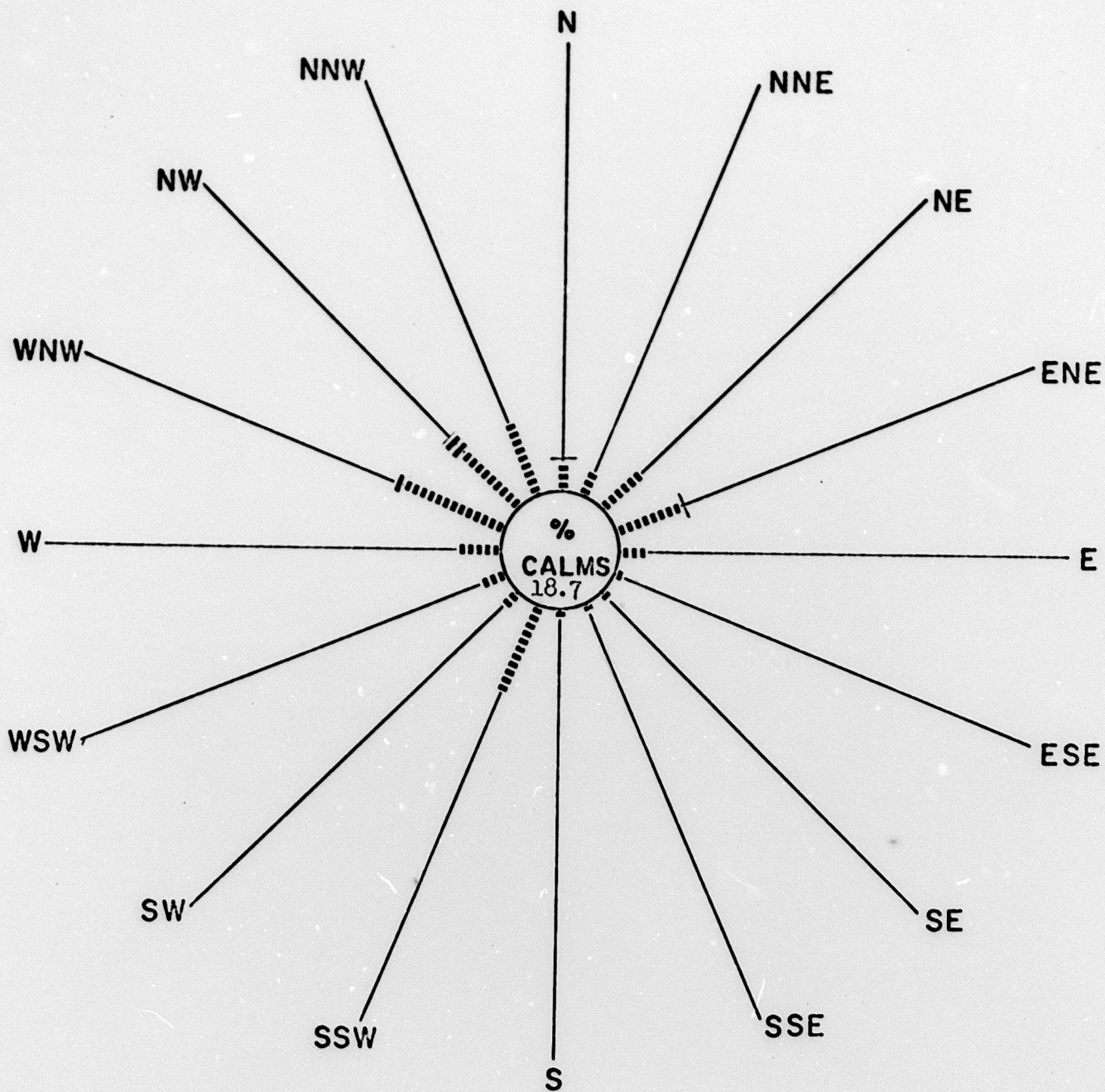
DIR	HOURLY OBSERVATIONS OF WIND SPEEDS												TOT	AVG SPD
	1--3	4--7	8--12	13--18	19--24	25--31	32--38	39--46	OVER 46					
N	FREQ 9	10	0	1	0	0	0	0	0	20	4			
	PCT 1.21	1.34	0.00	.13	0.00	0.00	0.00	0.00	0.00	2.69				
NNE	FREQ 18	8	0	0	0	0	0	0	0	26	3			
	PCT 2.42	1.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.49				
NE	FREQ 27	16	1	0	0	0	0	0	0	44	3			
	PCT 3.63	2.15	.13	0.00	0.00	0.00	0.00	0.00	0.00	5.91				
ENE	FREQ 28	25	7	1	1	0	0	0	0	62	5			
	PCT 3.76	3.36	.94	.13	.13	0.00	0.00	0.00	0.00	8.33				
E	FREQ 9	9	7	0	0	0	0	0	0	25	5			
	PCT 1.21	1.21	.94	0.00	0.00	0.00	0.00	0.00	0.00	3.36				
ESE	FREQ 5	1	0	0	0	0	0	0	0	6	2			
	PCT .67	.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	.81				
SE	FREQ 4	0	0	0	0	0	0	0	0	4	2			
	PCT .54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	.54				
SSE	FREQ 3	1	0	0	0	0	0	0	0	4	3			
	PCT .40	.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	.54				
S	FREQ 4	5	0	0	0	0	0	0	0	9	3			
	PCT .54	.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.21				
SSW	FREQ 29	43	7	0	0	0	0	0	0	79	5			
	PCT 3.90	5.78	.94	0.00	0.00	0.00	0.00	0.00	0.00	10.62				
SW	FREQ 13	4	0	0	0	0	0	0	0	17	2			
	PCT 1.75	.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.28				
WSW	FREQ 18	5	0	0	0	0	0	0	0	23	3			
	PCT 2.42	.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.09				
W	FREQ 16	19	2	1	0	0	0	0	0	38	4			
	PCT 2.15	2.55	.27	.13	0.00	0.00	0.00	0.00	0.00	5.11				
WNW	FREQ 20	27	44	9	1	0	0	0	0	121	8			
	PCT 2.69	3.63	5.91	1.21	.13	0.00	0.00	0.00	0.00	13.38				
NW	FREQ 11	21	33	15	3	0	0	0	0	103	9			
	PCT 1.48	2.82	4.44	2.02	.40	0.00	0.00	0.00	0.00	11.16				
NNW	FREQ 18	27	19	0	0	0	0	0	0	64	6			
	PCT 2.42	3.63	2.55	0.00	0.00	0.00	0.00	0.00	0.00	8.60				
TOT	FREQ 232	221	120	27	5	0	0	0	0	605				
	PCT 31.18	29.70	16.13	3.63	.67	0.00	0.00	0.00	0.00	81.32				
CALM	FREQ 139	PCT 18.68				MISSING FREQ	0	PCT	0.00	0.00				



EDGEWOOD

# WIND ROSE

DECEMBER 1970



- 0 - % OF DATA MISSING

LEGEND: EACH BLIP EQUALS ONE PERCENT OF DIRECTION FREQUENCY.

1 TO 12 MPH 0000000000  
13 TO 31 MPH 0000000000  
32 AND OVER 0000000000

# EDGEWOOD DECEMBER 1970

## HOURLY AVERAGES FOR THE MONTH

HOURLY	PRECIP	STA PRESS	TEMP	HUMID PT	DEW - WIND - SNOW/SOIL	DELTA T
					DIRCT SPEED	TEMP
1	T	1016.3	33	80	27 NNE	4 34.4
2	T	1016.4	33	80	27 ENE	4 34.5
3	T	1016.5	33	80	27 WNW	4 34.4
4	T	1016.4	33	81	27 WNW	3 34.0
5	T	1016.6	33	80	27 W	3 33.9
6	T	1016.8	32	81	26 NE	3 33.8
7	T	1017.3	33	80	27 ENE	3 33.6
8	.01	1017.8	34	79	27 ENE	3 34.2
9	.01	1018.0	36	70	26 W	4 36.8
10	T	1018.2	38	64	26 NW	5 39.1
11	T	1017.9	39	60	26 SSW	6 42.0
12	T	1017.0	40	58	26 NW	6 43.6
13	T	1016.3	41	58	26 SSW	7 43.8
14	T	1016.0	41	59	27 WNW	6 42.5
15	T	1015.9	41	59	27 SSW	6 41.1
16	T	1015.9	40	63	27 SSW	6 38.8
17	T	1015.9	38	67	27 WNW	5 36.6
18	T	1015.9	36	70	26 WNW	4 35.7
19	T	1016.3	36	74	27 WNW	4 35.0
20	T	1016.3	35	77	28 WNW	4 34.7
21	.01	1016.4	35	77	27 WNW	4 34.8
22	.02	1016.3	34	77	27 NE	4 34.9
23	.01	1016.2	34	79	27 WNW	4 34.5
24	T	1015.9	33	81	27 NNW	4 34.1



EDGEWOOD DECEMBER 1970  
HOURLY AVERAGES FOR THE MONTH

HOUR	VERT RAD	NET RAD	TOT RAD
1		-3	24
2		-3	24
3		-3	24
4		-3	24
5		-3	23
6		-3	24
7		-3	24
8	1	-2	25
9	8	1	31
10	16	5	39
11	24	9	46
12	27	11	49
13	26	11	48
14	20	7	43
15	16	4	39
16	8	-1	31
17	1	-4	24
18		-4	23
19		-3	24
20		-3	23
21		-3	24
22		-3	24
23		-3	24
24		-3	24



EDGEWOOD DECEMBER 1970  
MONTHLY CLIMATOLOGICAL SUMMARY

	STA	PRECIP	PRESS	TEMP	HUMID	PT	DEW	WIND	WIND- DIRECT	SNOW/SOIL	TEMP	DELTA T
TOT		3.26										
AVE	1016.6		36	72	27			WNW	4'		36.7	.6
AVE MAX	1021.0		43	93	35			WNW	21		44.8	4.5
AVE MIN	1010.8		27	53	19						30.7	-1.8

AVE MAX WIND SPEED AND DIRECTION IS ACTUAL MAXIMUM SPEED AND CONCURRENT DIRECTION  
THE MAXIMUM SPEED OCCURRED 1 TIME  
DELTA T EXTREME INVERSION WAS 8.8  
DELTA T EXTREME LAPSE WAS -3.6

EDGEWOOD DECEMBER 1970  
MONTHLY CLIMATOLOGICAL SUMMARY

VERT NET	TOT
RAD RAD	RAD
TOT	146
	-5
	707

AVE	MAX
AVE	MIN

TOT IS AVERAGE FOR THE MONTH